

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072822\  
 Data File : BP011163.D  
 Acq On : 28 Jul 2022 15:38  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SICV630

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Jul 28 16:17:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP072822.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 28 16:05:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.652  | 152  | 297064   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.446 | 136  | 1328355  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.316 | 164  | 646430   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.086 | 188  | 1032449  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.210 | 240  | 931534   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.557 | 264  | 1029490  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.152  | 96   | 49090    | 7.568  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.558  | 84   | 354571   | 19.321 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.828  | 99   | 505797   | 19.507 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.993  | 67   | 388936   | 21.213 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.181  | 132  | 417210   | 20.418 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.369  | 113  | 420768   | 19.838 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.810  | 128  | 214659   | 20.793 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.534  | 143  | 206570   | 20.890 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.069 | 165  | 352915   | 20.251 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.593 | 131  | 544929   | 19.289 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 880082   | 19.983 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.010 | 160  | 1164388  | 21.039 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 129996   | 16.409 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 721459   | 19.494 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 92767    | 17.824 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.186 | 188  | 931354   | 20.473 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.445 | 212  | 966659   | 19.312 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.404 | 264  | 1041436  | 20.367 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
| 2) 1,4-Dioxane                | 3.187  | 88   | 49990    | 7.445  | ng/uL# | 82       |
| 5) Pyridine                   | 3.581  | 79   | 349360   | 18.455 | ng/u1# | 74       |
| 6) Benzaldehyde               | 6.799  | 77   | 296564   | 23.711 | ng/u1  | 98       |
| 8) Phenol                     | 6.858  | 94   | 529063   | 19.019 | ng/u1  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.087  | 93   | 449418   | 19.926 | ng/u1  | 94       |
| 12) 2-Chlorophenol            | 7.216  | 128  | 422884   | 19.906 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.099  | 108  | 396941   | 19.252 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.193  | 45   | 739256   | 19.569 | ng/u1  | 97       |
| 16) Acetophenone              | 8.481  | 105  | 680492   | 20.625 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.469  | 70   | 360137   | 20.649 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.428  | 108  | 428600   | 19.302 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.716  | 117  | 188329   | 19.735 | ng/u1# | 71       |
| 22) Nitrobenzene              | 8.857  | 77   | 528905   | 19.927 | ng/u1  | 96       |
| 23) Isophorone                | 9.387  | 82   | 951238   | 19.808 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.563  | 139  | 222338   | 20.010 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 9.634  | 107  | 477736   | 20.014 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.869  | 93   | 595471   | 19.735 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.093 | 162  | 351902   | 19.525 | ng/u1  | 98       |
| 30) Naphthalene               | 10.493 | 128  | 1382044  | 19.776 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.616 | 127  | 532553   | 18.971 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.775 | 225  | 216438   | 19.662 | ng/u1  | 95       |
| 34) Caprolactam               | 11.410 | 113  | 88287    | 14.729 | ng/u1  | 90       |
| 35) 4-Chloro-3-methylphenol   | 11.751 | 107  | 374159   | 18.515 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.116 | 142  | 877530   | 19.842 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |                                  |
|-------------------------------|--------|------|----------|--------|--------|----------|----------------------------------|
| 37) 1-Methylnaphthalene       | 12.340 | 142  | 855323   | 19.305 | ng/ul  | 99       | 07/29/2022                       |
| 39) 1,2,4,5-Tetrachloroben... | 12.487 | 216  | 375898   | 20.901 | ng/ul# | 98       | Supervised By :mohammad<br>ahmed |
| 40) Hexachlorocyclopentadiene | 12.463 | 237  | 252583   | 21.302 | ng/ul  | 95       |                                  |
| 41) 2,4,6-Trichlorophenol     | 12.740 | 196  | 231406   | 20.490 | ng/ul  | 97       |                                  |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 236495   | 19.782 | ng/ul  | 99       |                                  |
| 43) 1,1'-Biphenyl             | 13.145 | 154  | 1068484  | 20.687 | ng/ul# | 96       |                                  |
| 44) 2-Chloronaphthalene       | 13.181 | 162  | 798300   | 20.674 | ng/ul  | 97       | 07/30/2022                       |
| 45) 2-Nitroaniline            | 13.404 | 65   | 217376   | 19.370 | ng/ul  | 92       |                                  |
| 47) Dimethylphthalate         | 13.787 | 163  | 851920   | 19.207 | ng/ul  | 99       |                                  |
| 48) 2,6-Dinitrotoluene        | 13.904 | 165  | 163953   | 21.154 | ng/ul  | 93       |                                  |
| 50) Acenaphthylene            | 14.034 | 152  | 1249966  | 20.217 | ng/ul  | 98       |                                  |
| 51) 3-Nitroaniline            | 14.234 | 138  | 168434   | 20.123 | ng/ul  | 98       |                                  |
| 52) Acenaphthene              | 14.381 | 153  | 805154   | 19.937 | ng/ul  | 98       |                                  |
| 53) 2,4-Dinitrophenol         | 14.445 | 184  | 61127    | 13.985 | ng/ul  | 97       |                                  |
| 55) 4-Nitrophenol             | 14.551 | 109  | 109610   | 16.102 | ng/ul# | 82       |                                  |
| 56) Dibenzofuran              | 14.722 | 168  | 1071657  | 19.522 | ng/ul  | 99       |                                  |
| 57) 2,4-Dinitrotoluene        | 14.698 | 165  | 200197   | 18.514 | ng/ul  | 97       |                                  |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232  | 168678   | 19.404 | ng/ul# | 81       |                                  |
| 59) Diethylphthalate          | 15.163 | 149  | 820125   | 18.500 | ng/ul  | 97       |                                  |
| 61) Fluorene                  | 15.375 | 166  | 816795   | 19.135 | ng/ul  | 100      |                                  |
| 62) 4-Chlorophenyl-phenyle... | 15.375 | 204  | 370179   | 19.054 | ng/ul  | 89       |                                  |
| 63) 4-Nitroaniline            | 15.410 | 138  | 149607m  | 21.024 | ng/ul  |          |                                  |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 96141    | 18.189 | ng/ul# | 95       |                                  |
| 67) N-Nitrosodiphenylamine    | 15.592 | 169  | 653892   | 20.609 | ng/ul  | 97       |                                  |
| 68) 4-Bromophenyl-phenylether | 16.281 | 248  | 200852   | 20.273 | ng/ul  | 92       |                                  |
| 69) Hexachlorobenzene         | 16.381 | 284  | 221399   | 19.535 | ng/ul# | 89       |                                  |
| 70) Atrazine                  | 16.563 | 200  | 178038   | 17.844 | ng/ul  | 94       |                                  |
| 71) Pentachlorophenol         | 16.733 | 266  | 116918   | 17.968 | ng/ul  | 96       |                                  |
| 72) Phenanthrene              | 17.128 | 178  | 1108580  | 19.620 | ng/ul  | 98       |                                  |
| 74) Anthracene                | 17.222 | 178  | 1118531  | 20.009 | ng/ul  | 99       |                                  |
| 75) 1,2,3,4-Tetrachloroben... | 13.104 | 216  | 381708   | 21.446 | ng/ul  | 97       |                                  |
| 76) Pentachlorobenzene        | 14.634 | 250  | 315476   | 21.505 | ng/ul  | 98       |                                  |
| 77) Carbazole                 | 17.504 | 167  | 957150   | 19.327 | ng/ul  | 97       |                                  |
| 78) Di-n-butylphthalate       | 18.075 | 149  | 1152466  | 19.459 | ng/ul  | 100      |                                  |
| 80) Fluoranthene              | 19.116 | 202  | 1127613  | 18.237 | ng/ul# | 84       |                                  |
| 82) Pyrene                    | 19.475 | 202  | 1186209  | 18.669 | ng/ul# | 83       |                                  |
| 83) Butylbenzylphthalate      | 20.374 | 149  | 475199   | 18.677 | ng/ul  | 97       |                                  |
| 84) 3,3'-Dichlorobenzidine    | 21.139 | 252  | 326640   | 20.103 | ng/ul# | 98       |                                  |
| 85) Benzo(a)anthracene        | 21.198 | 228  | 1151539  | 19.886 | ng/ul  | 98       |                                  |
| 86) Bis(2-ethylhexyl)phtha... | 21.139 | 149  | 772388   | 20.087 | ng/ul# | 94       |                                  |
| 87) Chrysene                  | 21.251 | 228  | 1103414  | 19.167 | ng/ul  | 100      |                                  |
| 89) Di-n-octyl phthalate      | 22.051 | 149  | 1310412  | 18.520 | ng/ul  | 100      |                                  |
| 90) Benzo(b)fluoranthene      | 22.845 | 252  | 1296117  | 19.971 | ng/ul# | 95       |                                  |
| 91) Benzo(k)fluoranthene      | 22.892 | 252  | 1212587  | 19.686 | ng/ul# | 95       |                                  |
| 93) Benzo(a)pyrene            | 23.451 | 252  | 1214027  | 19.177 | ng/ul# | 94       |                                  |
| 94) Indeno(1,2,3-cd)pyrene    | 25.980 | 276  | 1506400  | 19.315 | ng/ul# | 87       |                                  |
| 95) Dibenzo(a,h)anthracene    | 25.998 | 278  | 1312165  | 19.616 | ng/ul# | 91       |                                  |
| 96) Benzo(g,h,i)perylene      | 26.721 | 276  | 1318289  | 19.544 | ng/ul# | 87       |                                  |

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

