

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040922\  
 Data File : BM034583.D  
 Acq On : 09 Apr 2022 04:50  
 Operator : CG/JU  
 Sample : PB143964BS  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS964

Quant Time: Apr 09 05:32:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM040922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 08 14:30:08 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 04/11/2022  
 Supervised By :Yogesh Patel 04/12/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.878  | 152  | 105629   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.684 | 136  | 427391   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.524 | 164  | 256830   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.265 | 188  | 508749   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.442 | 240  | 498250   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.824 | 264  | 496626   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.255  | 96   | 22578    | 7.622  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.678  | 84   | 277695   | 38.846 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.037  | 99   | 347550   | 39.532 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.201  | 67   | 241215   | 41.174 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.407  | 132  | 290931   | 42.807 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.590  | 113  | 283190   | 41.236 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.037  | 128  | 139851m  | 44.523 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.766  | 143  | 147688   | 45.161 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.307 | 165  | 266693   | 43.309 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.825 | 131  | 325876   | 38.358 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.936 | 166  | 795375   | 42.859 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.219 | 160  | 971959   | 40.749 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.719 | 143  | 126784m  | 44.805 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.518 | 176  | 677664   | 42.256 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.636 | 200  | 134534   | 43.317 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.365 | 188  | 1037961  | 42.793 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.654 | 212  | 1221831  | 44.930 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.671 | 264  | 1159551  | 46.416 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.290  | 88   | 39364    | 13.198 | ng/uL# | 77       |
| 5) Pyridine                   | 3.696  | 79   | 277729   | 35.555 | ng/u1# | 77       |
| 6) Benzaldehyde               | 7.007  | 77   | 223993   | 41.558 | ng/u1  | 92       |
| 8) Phenol                     | 7.066  | 94   | 335222   | 37.743 | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.295  | 93   | 274002   | 38.228 | ng/u1# | 88       |
| 12) 2-Chlorophenol            | 7.437  | 128  | 274902   | 39.681 | ng/u1# | 88       |
| 13) 2-Methylphenol            | 8.325  | 108  | 250287   | 38.120 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.413  | 45   | 412945   | 38.533 | ng/u1# | 86       |
| 16) Acetophenone              | 8.701  | 105  | 401932   | 37.495 | ng/u1# | 88       |
| 17) N-Nitroso-di-n-propyla... | 8.690  | 70   | 226990   | 39.783 | ng/u1# | 85       |
| 18) 4-Methylphenol            | 8.654  | 108  | 268900   | 38.499 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.960  | 117  | 119375   | 38.310 | ng/u1  | 85       |
| 22) Nitrobenzene              | 9.084  | 77   | 329851   | 40.057 | ng/u1  | 91       |
| 23) Isophorone                | 9.613  | 82   | 587490   | 40.176 | ng/u1  | 94       |
| 25) 2-Nitrophenol             | 9.795  | 139  | 145360   | 41.499 | ng/u1# | 85       |
| 26) 2,4-Dimethylphenol        | 9.860  | 107  | 302207   | 38.870 | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.095 | 93   | 349551   | 39.731 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.336 | 162  | 243632   | 40.087 | ng/u1  | 96       |
| 30) Naphthalene               | 10.736 | 128  | 858299   | 38.575 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.848 | 127  | 298470   | 35.068 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.031 | 225  | 164721   | 38.550 | ng/u1  | 98       |
| 34) Caprolactam               | 11.613 | 113  | 79708m   | 40.371 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.978 | 107  | 264847   | 41.978 | ng/u1  | 90       |
| 36) 2-Methylnaphthalene       | 12.348 | 142  | 555585   | 38.960 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.572 | 142  | 576272   | 39.389 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.725 | 216  | 291297   | 37.892 | ng/ul# | 98       |
| 40) Hexachlorocyclopentadiene | 12.701 | 237  | 179360   | 35.553 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.960 | 196  | 192460   | 41.213 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.030 | 196  | 205437   | 42.453 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.360 | 154  | 747256   | 38.409 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene       | 13.401 | 162  | 570522   | 38.197 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.607 | 65   | 181200   | 44.490 | ng/ul# | 82       |
| 47) Dimethylphthalate         | 13.983 | 163  | 722749   | 39.575 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.101 | 165  | 150015   | 42.758 | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.248 | 152  | 947048   | 39.110 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.430 | 138  | 126573   | 41.264 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.589 | 153  | 619551   | 38.429 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.636 | 184  | 76194    | 38.535 | ng/ul# | 78       |
| 55) 4-Nitrophenol             | 14.736 | 109  | 101994   | 42.208 | ng/ul# | 82       |
| 56) Dibenzofuran              | 14.924 | 168  | 856323   | 39.081 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.889 | 165  | 212500   | 43.516 | ng/ul# | 79       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.148 | 232  | 177733   | 41.832 | ng/ul# | 89       |
| 59) Diethylphthalate          | 15.342 | 149  | 756219   | 40.766 | ng/ul  | 98       |
| 61) Fluorene                  | 15.571 | 166  | 719864   | 38.939 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.566 | 204  | 347331   | 38.923 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.589 | 138  | 129101m  | 47.798 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.648 | 198  | 121994   | 39.394 | ng/ul# | 83       |
| 67) N-Nitrosodiphenylamine    | 15.777 | 169  | 610298   | 40.264 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.460 | 248  | 211277m  | 40.174 | ng/ul  |          |
| 69) Hexachlorobenzene         | 16.577 | 284  | 251251   | 39.780 | ng/ul# | 92       |
| 70) Atrazine                  | 16.730 | 200  | 224723   | 39.618 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.918 | 266  | 152676   | 39.478 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.307 | 178  | 1133206  | 39.918 | ng/ul  | 99       |
| 74) Anthracene                | 17.401 | 178  | 1134509  | 40.331 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.325 | 216  | 306206   | 38.322 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.848 | 250  | 288351   | 38.455 | ng/uL  | 99       |
| 77) Carbazole                 | 17.671 | 167  | 949449   | 40.800 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.236 | 149  | 1257998  | 42.592 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.324 | 202  | 1271863  | 42.261 | ng/ul# | 89       |
| 82) Pyrene                    | 19.683 | 202  | 1367493  | 41.806 | ng/ul# | 87       |
| 83) Butylbenzylphthalate      | 20.583 | 149  | 557015   | 43.497 | ng/ul  | 87       |
| 84) 3,3'-Dichlorobenzidine    | 21.359 | 252  | 347272   | 39.769 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.424 | 228  | 1200150  | 41.425 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.359 | 149  | 825569   | 43.075 | ng/ul# | 97       |
| 87) Chrysene                  | 21.477 | 228  | 1240772  | 39.717 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.271 | 149  | 1396391  | 42.235 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.100 | 252  | 1253664  | 42.483 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.147 | 252  | 1308115  | 42.211 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.718 | 252  | 1289647  | 44.218 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.306 | 276  | 1368756  | 43.853 | ng/ul# | 92       |
| 95) Dibenzo(a,h)anthracene    | 26.318 | 278  | 1141162  | 44.598 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 27.059 | 276  | 1281120  | 42.763 | ng/ul# | 94       |

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

