

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041924\  
 Data File : BP020031.D  
 Acq On : 19 Apr 2024 16:49  
 Operator : MA/JU  
 Sample : SSTD01089  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD010610

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024  
 Supervised By :mohammad ahmed 04/22/2024

Quant Time: Apr 20 01:13:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 20 00:34:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.645  | 152  | 85050    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 346503   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.316 | 164  | 229024   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.157 | 188  | 508009   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.662 | 240  | 495302   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.050 | 264  | 541934   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.234  | 96   | 8395     | 4.303  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.640  | 84   | 54974    | 9.304  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.828  | 99   | 66386    | 9.185  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.998  | 67   | 49690    | 10.369 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.181  | 132  | 47787    | 9.281  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.351  | 113  | 52234    | 9.337  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.804  | 128  | 22978    | 8.683  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.522  | 143  | 24645    | 8.478  | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.057 | 165  | 49839    | 9.171  | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 10.581 | 131  | 68788    | 9.688  | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.727 | 166  | 156174   | 9.698  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 185567   | 9.858  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.563 | 143  | 17816    | 7.096  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.339 | 176  | 142466   | 10.356 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.486 | 200  | 23645    | 7.789  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.263 | 188  | 220520   | 9.708  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.662 | 212  | 257825   | 8.940  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.815 | 264  | 252830   | 9.638  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.263  | 88   | 9531     | 4.201  | ng/uL  | 93       |
| 5) Pyridine                   | 3.657  | 79   | 58579    | 9.634  | ng/u1  | 98       |
| 6) Benzaldehyde               | 6.816  | 77   | 45088    | 12.115 | ng/u1  | 96       |
| 8) Phenol                     | 6.857  | 94   | 70508    | 9.292  | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.087  | 93   | 59786    | 9.683  | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.216  | 128  | 50557    | 9.312  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.087  | 108  | 51669    | 9.411  | ng/u1  | 91       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.163  | 45   | 90231    | 10.486 | ng/u1  | 98       |
| 16) Acetophenone              | 8.469  | 105  | 93953    | 10.266 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.445  | 70   | 54992    | 10.592 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.410  | 108  | 53193    | 9.011  | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.692  | 117  | 25411    | 9.971  | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.845  | 77   | 79015    | 10.238 | ng/u1  | 97       |
| 23) Isophorone                | 9.363  | 82   | 145072   | 10.106 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.545  | 139  | 26426    | 8.653  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.604  | 107  | 65421    | 9.578  | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.851  | 93   | 82227    | 9.882  | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.086 | 162  | 49066    | 9.195  | ng/u1  | 98       |
| 30) Naphthalene               | 10.469 | 128  | 178096   | 9.967  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.604 | 127  | 68926    | 9.848  | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.733 | 225  | 41771    | 9.880  | ng/u1  | 98       |
| 34) Caprolactam               | 11.410 | 113  | 15178m   | 9.101  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.733 | 107  | 57700    | 9.623  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.098 | 142  | 122645   | 10.200 | ng/u1  | 97       |

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| 37) 1-Methylnaphthalene       | 12.316 | 142  | 121225   | 10.153 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.469 | 216  | 73720    | 9.814  | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene | 12.427 | 237  | 31944    | 7.488  | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.727 | 196  | 42279    | 9.139  | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 43991    | 9.263  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.127 | 154  | 161474   | 9.794  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.169 | 162  | 131178   | 9.809  | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.404 | 65   | 38383    | 9.070  | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.774 | 163  | 161925   | 9.955  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 27660    | 8.413  | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.027 | 152  | 210513   | 10.042 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.257 | 138  | 26154    | 8.665  | ng/ul# | 91       |
| 52) Acenaphthene              | 14.380 | 153  | 138972   | 10.003 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.480 | 184  | 13720    | 7.294  | ng/ul  | 99       |
| 55) 4-Nitrophenol             | 14.586 | 109  | 21339    | 8.833  | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.727 | 168  | 195673   | 10.307 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.727 | 165  | 41764    | 9.290  | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.969 | 232  | 40262    | 9.758  | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.174 | 149  | 163740   | 10.063 | ng/ul  | 99       |
| 61) Fluorene                  | 15.398 | 166  | 161151   | 10.353 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 86034    | 10.262 | ng/ul  | 95       |
| 63) 4-Nitroaniline            | 15.457 | 138  | 23234    | 8.926  | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.510 | 198  | 23988    | 7.457  | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 15.627 | 169  | 131748   | 9.347  | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.321 | 248  | 51606    | 9.289  | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.421 | 284  | 56118    | 9.158  | ng/ul  | 93       |
| 70) Atrazine                  | 16.621 | 200  | 49065    | 9.131  | ng/ul  | 93       |
| 71) Pentachlorophenol         | 16.798 | 266  | 29700    | 8.168  | ng/ul  | 96       |
| 72) Phenanthrene              | 17.204 | 178  | 254434   | 9.640  | ng/ul  | 100      |
| 74) Anthracene                | 17.298 | 178  | 254448   | 9.430  | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.086 | 216  | 72573    | 8.817  | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.639 | 250  | 69455    | 9.078  | ng/uL  | 94       |
| 77) Carbazole                 | 17.598 | 167  | 222841   | 9.669  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.192 | 149  | 267146   | 9.374  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.309 | 202  | 305166   | 8.982  | ng/ul# | 95       |
| 82) Pyrene                    | 19.698 | 202  | 320529   | 9.127  | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.674 | 149  | 117150   | 8.342  | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.574 | 252  | 102135   | 9.707  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.639 | 228  | 340571   | 9.904  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.592 | 149  | 181880   | 8.773  | ng/ul  | 100      |
| 87) Chrysene                  | 21.709 | 228  | 320202   | 9.955  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.903 | 149  | 306852   | 8.999  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.968 | 252  | 314502   | 9.787  | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 24.050 | 252  | 324254   | 9.924  | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.886 | 252  | 304510   | 9.780  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.885 | 276  | 353511m  | 9.188  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.985 | 278  | 288310m  | 9.254  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.103 | 276  | 280559   | 9.043  | ng/ul  | 99       |

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

