

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121024\  
 Data File : BP023344.D  
 Acq On : 10 Dec 2024 13:11  
 Operator : RC/JU  
 Sample : P5107-21MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BHJ99MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/12/2024  
 Supervised By :mohammad ahmed 12/13/2024

Quant Time: Dec 11 01:27:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 11 00:30:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.546  | 152  | 65355    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.281 | 136  | 263424   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.157 | 164  | 225289   | 20.000 | ng/u1  | 0.01     |
| 64) Phenanthrene-d10          | 16.951 | 188  | 634014   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.380 | 240  | 780459   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.551 | 264  | 870349   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.105  | 96   | 7946     | 4.476  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.534  | 84   | 15334    | 3.359  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.752  | 99   | 61857    | 12.063 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.893  | 67   | 100770   | 31.147 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.087  | 132  | 107637   | 28.440 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.257  | 113  | 98434    | 23.784 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.687  | 128  | 56532    | 28.739 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.393  | 143  | 69282    | 30.560 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.934  | 165  | 147159   | 30.755 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.440 | 131  | 98601    | 18.395 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.557 | 166  | 633660   | 36.231 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.845 | 160  | 586753   | 31.807 | ng/u1  | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.416 | 143  | 33205    | 15.493 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.157 | 176  | 548763   | 35.673 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.316 | 200  | 144289   | 37.656 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.063 | 188  | 1035751  | 35.795 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.439 | 212  | 1449615  | 35.551 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.345 | 264  | 1708212  | 36.663 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.140  | 88   | 9426m    | 4.799  | ng/uL  |          |
| 5) Pyridine                   | 3.552  | 79   | 16550    | 3.549  | ng/u1  | 90       |
| 6) Benzaldehyde               | 6.716  | 77   | 61369m   | 20.934 | ng/u1  |          |
| 8) Phenol                     | 6.775  | 94   | 67100    | 12.569 | ng/u1  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 6.981  | 93   | 122571   | 29.086 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.116  | 128  | 108704   | 27.398 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 7.993  | 108  | 101344   | 25.597 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.046  | 45   | 159231   | 31.072 | ng/u1  | 97       |
| 16) Acetophenone              | 8.357  | 105  | 217347   | 31.202 | ng/u1# | 94       |
| 17) N-Nitroso-di-n-propyla... | 8.334  | 70   | 124313   | 32.752 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.316  | 108  | 105192   | 24.616 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.587  | 117  | 48230    | 24.966 | ng/u1  | 93       |
| 22) Nitrobenzene              | 8.728  | 77   | 187242   | 31.283 | ng/u1  | 97       |
| 23) Isophorone                | 9.240  | 82   | 345302   | 32.571 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.428  | 139  | 73153    | 30.208 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.493  | 107  | 145257   | 27.088 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.710  | 93   | 179229   | 29.923 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 9.957  | 162  | 140077   | 29.539 | ng/u1  | 98       |
| 30) Naphthalene               | 10.334 | 128  | 387976   | 28.134 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.469 | 127  | 44601m   | 8.581  | ng/u1  |          |
| 33) Hexachlorobutadiene       | 10.604 | 225  | 114975   | 27.332 | ng/u1  | 98       |
| 34) Caprolactam               | 11.293 | 113  | 6969m    | 5.037  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.593 | 107  | 176936   | 34.362 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 11.945 | 142  | 309146   | 30.230 | ng/u1  | 94       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.163 | 142  | 313371   | 30.071 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.322 | 216  | 233958   | 28.458 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.287 | 237  | 92345    | 23.378 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.575 | 196  | 155970   | 32.058 | ng/ul  | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.663 | 196  | 170166   | 32.735 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 12.963 | 154  | 479699   | 30.051 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.010 | 162  | 382434   | 29.619 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.240 | 65   | 152079   | 40.653 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.604 | 163  | 601886   | 34.937 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.745 | 165  | 122491   | 37.107 | ng/ul  | 96       |
| 50) Acenaphthylene            | 13.875 | 152  | 618895   | 32.944 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.087 | 138  | 85709    | 30.979 | ng/ul  | 90       |
| 52) Acenaphthene              | 14.216 | 153  | 454445   | 33.096 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.310 | 184  | 84436    | 39.665 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.434 | 109  | 43056    | 14.912 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.563 | 168  | 719973   | 34.526 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.557 | 165  | 208095   | 39.120 | ng/ul  | 89       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.798 | 232  | 181024   | 35.078 | ng/ul  | 95       |
| 59) Diethylphthalate          | 14.992 | 149  | 668256   | 38.893 | ng/ul  | 99       |
| 61) Fluorene                  | 15.222 | 166  | 615346   | 36.241 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.222 | 204  | 356055   | 36.155 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.269 | 138  | 110124   | 45.255 | ng/ul  | 87       |
| 66) 4,6-Dinitro-2-methylph... | 15.328 | 198  | 152463   | 37.508 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.434 | 169  | 547939   | 33.843 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.122 | 248  | 255494   | 34.136 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.245 | 284  | 305070   | 33.271 | ng/ul  | 97       |
| 70) Atrazine                  | 16.416 | 200  | 1879m    | 0.267  | ng/ul  |          |
| 71) Pentachlorophenol         | 16.616 | 266  | 174602   | 32.624 | ng/ul  | 94       |
| 72) Phenanthrene              | 16.998 | 178  | 1152900  | 35.173 | ng/ul  | 99       |
| 74) Anthracene                | 17.098 | 178  | 1150173  | 35.094 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.928 | 216  | 241553   | 26.431 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.481 | 250  | 308157   | 30.591 | ng/uL  | 98       |
| 77) Carbazole                 | 17.392 | 167  | 1054203  | 39.481 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 17.963 | 149  | 1314227  | 40.057 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.086 | 202  | 1645087  | 35.209 | ng/ul  | 99       |
| 82) Pyrene                    | 19.469 | 202  | 1754415  | 35.385 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.427 | 149  | 670354   | 39.037 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.286 | 252  | 422293   | 23.580 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.357 | 228  | 1897050  | 36.248 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 980584   | 39.764 | ng/ul# | 98       |
| 87) Chrysene                  | 21.427 | 228  | 1792329  | 35.737 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.486 | 149  | 1652219  | 38.869 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.551 | 252  | 2007579  | 36.713 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.621 | 252  | 1937326  | 35.607 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.410 | 252  | 1798845  | 36.281 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.139 | 276  | 2294477m | 36.011 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.180 | 278  | 1810608  | 35.509 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.250 | 276  | 1764221  | 36.164 | ng/ul  | 98       |

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

