

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121024\  
 Data File : BP023381.D  
 Acq On : 11 Dec 2024 16:39  
 Operator : RC/JU  
 Sample : PB165524BS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS524

Quant Time: Dec 12 01:44:59 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

### Manual Integrations APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.540  | 152  | 62238    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.275 | 136  | 233422   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.151 | 164  | 186584   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.963 | 188  | 465497   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.404 | 240  | 516836   | 20.000 | ng/u1  | 0.02     |
| 88) Perylene-d12              | 24.592 | 264  | 613194   | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.111  | 96   | 11931    | 7.058  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.523  | 84   | 146707   | 33.749 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.746  | 99   | 170896   | 34.996 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.893  | 67   | 105852   | 34.357 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.087  | 132  | 125764   | 34.894 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.258  | 113  | 133140   | 33.781 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.681  | 128  | 56776    | 32.573 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.393  | 143  | 68025    | 33.862 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.928  | 165  | 144581   | 34.100 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.440 | 131  | 147228   | 30.997 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.557 | 166  | 462472   | 31.929 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.840 | 160  | 500323   | 32.748 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.422 | 143  | 55349    | 31.183 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.169 | 176  | 413553   | 32.460 | ng/u1  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.322 | 200  | 91290    | 32.450 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.069 | 188  | 697813   | 32.846 | ng/u1  | 0.02     |
| 81) Pyrene-d10                | 19.451 | 212  | 888117   | 32.890 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.374 | 264  | 1090981  | 33.236 | ng/u1  | 0.03     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.146  | 88   | 24943    | 13.335 | ng/uL  | 88       |
| 5) Pyridine                   | 3.546  | 79   | 154167   | 34.719 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.728  | 77   | 19415    | 6.954  | ng/u1  | 87       |
| 8) Phenol                     | 6.775  | 94   | 188128   | 37.005 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 6.981  | 93   | 139261   | 34.702 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.116  | 128  | 135599   | 35.888 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 7.993  | 108  | 133678   | 35.455 | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.046  | 45   | 180936   | 37.076 | ng/u1  | 98       |
| 16) Acetophenone              | 8.352  | 105  | 218633   | 32.959 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.334  | 70   | 121340   | 33.570 | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.316  | 108  | 142921   | 35.120 | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.581  | 117  | 64160    | 34.875 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.722  | 77   | 192050   | 36.210 | ng/u1  | 96       |
| 23) Isophorone                | 9.234  | 82   | 333071   | 35.455 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.422  | 139  | 73703    | 34.347 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.487  | 107  | 175392   | 36.911 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.710  | 93   | 185842   | 35.015 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 9.957  | 162  | 153209   | 36.460 | ng/u1  | 99       |
| 30) Naphthalene               | 10.328 | 128  | 411240   | 33.653 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.463 | 127  | 98810    | 21.454 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.599 | 225  | 129226   | 34.669 | ng/u1  | 99       |
| 34) Caprolactam               | 11.257 | 113  | 40647m   | 33.152 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.593 | 107  | 163380   | 35.807 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 11.940 | 142  | 297179   | 32.795 | ng/u1  | 94       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.163 | 142  | 306678   | 33.211 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.316 | 216  | 224807   | 33.017 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.281 | 237  | 101611   | 31.060 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.575 | 196  | 145388   | 36.082 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.669 | 196  | 155786   | 36.186 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 12.969 | 154  | 433380   | 32.781 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.010 | 162  | 349063   | 32.643 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.240 | 65   | 120167   | 38.786 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.604 | 163  | 477166   | 33.443 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.746 | 165  | 94978    | 34.741 | ng/ul  | 97       |
| 50) Acenaphthylene            | 13.869 | 152  | 524932   | 33.739 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.093 | 138  | 80155    | 34.982 | ng/ul  | 92       |
| 52) Acenaphthene              | 14.216 | 153  | 378435   | 33.278 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.316 | 184  | 56765    | 32.198 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.440 | 109  | 71722    | 29.993 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.563 | 168  | 574959   | 33.291 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.557 | 165  | 152086   | 34.522 | ng/ul  | 89       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.804 | 232  | 148785   | 34.812 | ng/ul  | 98       |
| 59) Diethylphthalate          | 14.992 | 149  | 495477   | 34.820 | ng/ul  | 98       |
| 61) Fluorene                  | 15.228 | 166  | 478388   | 34.019 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.222 | 204  | 279795   | 34.305 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.275 | 138  | 84343m   | 41.850 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.334 | 198  | 101256   | 33.928 | ng/ul  | 93       |
| 67) N-Nitrosodiphenylamine    | 15.440 | 169  | 408171   | 34.337 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.128 | 248  | 188349   | 34.275 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.257 | 284  | 219866   | 32.659 | ng/ul  | 96       |
| 70) Atrazine                  | 16.428 | 200  | 182636   | 35.309 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.622 | 266  | 134205   | 34.154 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.004 | 178  | 825309   | 34.294 | ng/ul  | 99       |
| 74) Anthracene                | 17.098 | 178  | 817512   | 33.974 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.928 | 216  | 221888   | 33.069 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.487 | 250  | 244054   | 32.999 | ng/uL  | 99       |
| 77) Carbazole                 | 17.398 | 167  | 723027   | 36.880 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 17.975 | 149  | 857720   | 35.607 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.110 | 202  | 1075425  | 34.757 | ng/ul  | 99       |
| 82) Pyrene                    | 19.486 | 202  | 1150628  | 35.044 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.439 | 149  | 405583   | 35.666 | ng/ul  | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.310 | 252  | 401369   | 33.844 | ng/ul# | 99       |
| 85) Benzo(a)anthracene        | 21.380 | 228  | 1211160  | 34.946 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.310 | 149  | 588930   | 36.063 | ng/ul  | 99       |
| 87) Chrysene                  | 21.451 | 228  | 1168015  | 35.168 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.522 | 149  | 1042238  | 34.801 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.586 | 252  | 1333533  | 34.614 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.651 | 252  | 1291403  | 33.689 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.445 | 252  | 1207384  | 34.564 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.192 | 276  | 1591238  | 35.447 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.245 | 278  | 1266270  | 35.248 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.327 | 276  | 1223342  | 35.594 | ng/ul  | 98       |

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

