

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111624\  
 Data File : BP023173.D  
 Acq On : 16 Nov 2024 15:01  
 Operator : RC/JU  
 Sample : PB164997BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS997

Quant Time: Nov 17 03:34:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 13 04:49:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024  
 Supervised By :mohammad ahmed 11/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.575  | 152  | 57271    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.328 | 136  | 224027   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.193 | 164  | 180984   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.010 | 188  | 447181   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.445 | 240  | 514667   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.674 | 264  | 594751   | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.134  | 96   | 9559     | 8.023  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.546  | 84   | 135247   | 38.206 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.781  | 99   | 182364   | 43.069 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.922  | 67   | 99619    | 40.045 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.122  | 132  | 134277   | 43.301 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.287  | 113  | 144802   | 41.558 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.716  | 128  | 67287    | 43.143 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.428  | 143  | 81702    | 43.941 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.969  | 165  | 169282   | 43.475 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.475 | 131  | 173240   | 37.294 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.604 | 166  | 545789   | 41.842 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.881 | 160  | 595001   | 43.716 | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.451 | 143  | 73474    | 37.481 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.204 | 176  | 484135   | 42.333 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.363 | 200  | 109160   | 40.749 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.110 | 188  | 842074   | 44.474 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.486 | 212  | 1096421  | 46.251 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.445 | 264  | 1280189  | 45.188 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.164  | 88   | 18705    | 13.587 | ng/uL  | 93       |
| 5) Pyridine                   | 3.564  | 79   | 131859   | 37.090 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.746  | 77   | 67744    | 27.802 | ng/u1  | 99       |
| 8) Phenol                     | 6.805  | 94   | 180442   | 40.809 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.011  | 93   | 131460   | 39.565 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.152  | 128  | 132641   | 41.198 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.022  | 108  | 133178   | 40.351 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.081  | 45   | 150595   | 40.038 | ng/u1  | 97       |
| 16) Acetophenone              | 8.387  | 105  | 231469   | 39.533 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.369  | 70   | 119548   | 40.891 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.352  | 108  | 148346   | 40.693 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.622  | 117  | 59683    | 38.330 | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.758  | 77   | 187747   | 41.953 | ng/u1  | 98       |
| 23) Isophorone                | 9.275  | 82   | 332590   | 41.564 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.457  | 139  | 84495    | 43.054 | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.528  | 107  | 147639   | 34.838 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.746  | 93   | 183765   | 41.738 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.005 | 162  | 159052   | 41.239 | ng/u1  | 100      |
| 30) Naphthalene               | 10.375 | 128  | 440835   | 40.504 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.499 | 127  | 132935   | 29.538 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.646 | 225  | 132096   | 37.852 | ng/u1  | 99       |
| 34) Caprolactam               | 11.293 | 113  | 46904m   | 40.886 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.640 | 107  | 180537   | 43.512 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 11.987 | 142  | 329345   | 40.082 | ng/u1  | 95       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.204 | 142  | 327628   | 39.004 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.363 | 216  | 248057   | 40.598 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.328 | 237  | 85239    | 26.560 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.616 | 196  | 149250   | 40.115 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.704 | 196  | 165509   | 41.264 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.004 | 154  | 474646   | 40.928 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.051 | 162  | 393484   | 41.507 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.275 | 65   | 121100   | 45.495 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.645 | 163  | 527917   | 41.038 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.775 | 165  | 108592   | 43.397 | ng/ul  | 97       |
| 50) Acenaphthylene            | 13.916 | 152  | 590075   | 42.890 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.122 | 138  | 95166    | 44.155 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.263 | 153  | 406673   | 40.715 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.351 | 184  | 55826    | 31.442 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.469 | 109  | 79325    | 34.587 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.604 | 168  | 629755   | 40.808 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.604 | 165  | 172841   | 43.339 | ng/ul  | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.845 | 232  | 146562   | 37.381 | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.034 | 149  | 511106   | 40.173 | ng/ul  | 99       |
| 61) Fluorene                  | 15.269 | 166  | 516276   | 40.874 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.263 | 204  | 300022   | 40.341 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.316 | 138  | 100059   | 49.892 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.375 | 198  | 113750   | 39.750 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.481 | 169  | 452905   | 43.830 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.169 | 248  | 210225   | 41.515 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.298 | 284  | 266598   | 41.821 | ng/ul  | 97       |
| 70) Atrazine                  | 16.463 | 200  | 83542    | 16.725 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.669 | 266  | 130181   | 32.892 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.051 | 178  | 920431   | 43.594 | ng/ul  | 99       |
| 74) Anthracene                | 17.139 | 178  | 906803   | 42.718 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.975 | 216  | 249650   | 42.284 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.522 | 250  | 274567   | 40.728 | ng/uL  | 98       |
| 77) Carbazole                 | 17.434 | 167  | 806492   | 43.546 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.010 | 149  | 883495   | 42.988 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.145 | 202  | 1240099  | 45.407 | ng/ul  | 99       |
| 82) Pyrene                    | 19.522 | 202  | 1306563  | 44.533 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.480 | 149  | 443524   | 45.916 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.357 | 252  | 476073   | 41.209 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.427 | 228  | 1359245  | 43.252 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.351 | 149  | 612939   | 44.652 | ng/ul  | 98       |
| 87) Chrysene                  | 21.486 | 228  | 1270790  | 42.975 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.574 | 149  | 1045666  | 43.336 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.657 | 252  | 1468082  | 44.348 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.716 | 252  | 1420258  | 43.582 | ng/ul# | 99       |
| 93) Benzo(a)pyrene            | 24.515 | 252  | 1282066  | 42.843 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.315 | 276  | 1702107  | 40.825 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.368 | 278  | 1382396  | 40.836 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 29.445 | 276  | 1307825  | 41.299 | ng/ul  | 98       |

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

