

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP011725\  
 Data File : BP023647.D  
 Acq On : 18 Jan 2025 04:11  
 Operator : RC/JU  
 Sample : PB166103BS  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS103

Quant Time: Jan 18 05:38:08 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP011425.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 14 16:27:27 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/20/2025  
 Supervised By :mohammad ahmed 01/20/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 343558   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.581 | 136  | 1465500  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.428 | 164  | 989444   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.228 | 188  | 2076633  | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.698 | 240  | 2343338  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 25.115 | 264  | 2324321  | 20.000 | ng/u1  | -0.03    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.317  | 96   | 67245    | 7.217  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.722  | 84   | 1042510  | 40.134 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.963  | 99   | 1346450  | 45.522 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.134  | 67   | 673252   | 38.856 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.340  | 132  | 1047914  | 44.862 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.493  | 113  | 1067718  | 46.540 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.946  | 128  | 445491   | 39.827 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.663  | 143  | 381751   | 51.995 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.204 | 165  | 1010649  | 45.255 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.710 | 131  | 1302983  | 36.547 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.834 | 166  | 2970109  | 38.571 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.122 | 160  | 3438539  | 37.537 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.610 | 143  | 589368   | 46.046 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.439 | 176  | 2567107  | 38.520 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 200  | 309028   | 45.736 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.333 | 188  | 4196163  | 37.433 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.716 | 212  | 4889655  | 37.665 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.874 | 264  | 5077043  | 40.194 | ng/u1  | -0.04    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.352  | 88   | 142054   | 14.407 | ng/uL  | 95       |
| 5) Pyridine                   | 3.740  | 79   | 1066510  | 40.707 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.952  | 77   | 110712m  | 6.928  | ng/u1  |          |
| 8) Phenol                     | 6.993  | 94   | 1444950  | 45.831 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.228  | 93   | 982132   | 39.380 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.375  | 128  | 1103640  | 44.138 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.234  | 108  | 1044532  | 45.390 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.322  | 45   | 1012761  | 39.201 | ng/u1  | 100      |
| 16) Acetophenone              | 8.616  | 105  | 1545425  | 39.325 | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.605  | 70   | 730993   | 38.268 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.557  | 108  | 1163204  | 45.985 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.887  | 117  | 385632   | 38.424 | ng/u1  | 99       |
| 22) Nitrobenzene              | 8.987  | 77   | 1044670  | 38.375 | ng/u1  | 100      |
| 23) Isophorone                | 9.516  | 82   | 2140111  | 38.706 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.693  | 139  | 467471   | 48.545 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.752  | 107  | 1150668  | 43.191 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.993  | 93   | 1305162  | 37.616 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 1027908  | 44.459 | ng/u1  | 99       |
| 30) Naphthalene               | 10.634 | 128  | 3207935  | 36.953 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.734 | 127  | 723275   | 21.199 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.928 | 225  | 547495   | 35.717 | ng/u1  | 99       |
| 34) Caprolactam               | 11.493 | 113  | 350411   | 41.493 | ng/u1  | 100      |
| 35) 4-Chloro-3-methylphenol   | 11.857 | 107  | 1091994  | 46.342 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.246 | 142  | 2256183  | 38.452 | ng/u1  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.463 | 142  | 2244255  | 38.510 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.604 | 216  | 1122412  | 34.379 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.598 | 237  | 448580   | 35.593 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.845 | 196  | 755796   | 44.471 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.910 | 196  | 847174   | 44.823 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.251 | 154  | 2955470  | 36.096 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.293 | 162  | 2276721  | 35.696 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.487 | 65   | 577705   | 45.792 | ng/ul | 95       |
| 47) Dimethylphthalate         | 13.881 | 163  | 3042818  | 39.333 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.987 | 165  | 546413   | 45.979 | ng/ul | 94       |
| 50) Acenaphthylene            | 14.145 | 152  | 3675553  | 37.030 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.316 | 138  | 597804   | 42.745 | ng/ul | 95       |
| 52) Acenaphthene              | 14.492 | 153  | 2583023  | 37.149 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.522 | 184  | 181399   | 48.233 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.622 | 109  | 454747   | 45.772 | ng/ul | 95       |
| 56) Dibenzofuran              | 14.834 | 168  | 3604004  | 38.078 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.787 | 165  | 843121   | 46.956 | ng/ul | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.063 | 232  | 680634   | 46.063 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.263 | 149  | 3047817  | 39.962 | ng/ul | 99       |
| 61) Fluorene                  | 15.492 | 166  | 3148132  | 39.614 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.487 | 204  | 1491915  | 38.420 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.492 | 138  | 781748   | 53.210 | ng/ul | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.557 | 198  | 369428   | 45.942 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.704 | 169  | 2576450  | 37.054 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.410 | 248  | 897608   | 36.261 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.522 | 284  | 1106575  | 36.460 | ng/ul | 99       |
| 70) Atrazine                  | 16.681 | 200  | 865141   | 35.840 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.869 | 266  | 636180   | 42.989 | ng/ul | 99       |
| 72) Phenanthrene              | 17.275 | 178  | 4847562  | 37.232 | ng/ul | 100      |
| 74) Anthracene                | 17.369 | 178  | 4883412  | 37.382 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.216 | 216  | 1110049  | 32.663 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.751 | 250  | 1192889  | 33.134 | ng/uL | 99       |
| 77) Carbazole                 | 17.639 | 167  | 4662055  | 42.969 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.251 | 149  | 5255016  | 41.704 | ng/ul | 100      |
| 80) Fluoranthene              | 19.369 | 202  | 5648430  | 38.038 | ng/ul | 99       |
| 82) Pyrene                    | 19.745 | 202  | 6178589  | 38.189 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.704 | 149  | 2143241  | 50.423 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.592 | 252  | 1665873  | 41.907 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.680 | 228  | 6239373  | 37.451 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.639 | 149  | 3438087  | 47.413 | ng/ul | 99       |
| 87) Chrysene                  | 21.745 | 228  | 5891710  | 37.978 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.957 | 149  | 5156922  | 52.711 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 24.027 | 252  | 5914062  | 40.498 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 24.110 | 252  | 6279916  | 39.243 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.957 | 252  | 5655291  | 39.365 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.027 | 276  | 6888095  | 40.298 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 29.109 | 278  | 5659181  | 40.851 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 30.203 | 276  | 5280383  | 39.379 | ng/ul | 98       |

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

