

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100724\  
 Data File : BP022260.D  
 Acq On : 07 Oct 2024 18:44  
 Operator : RC/JU  
 Sample : SSTD04046  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD040624

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/09/2024  
 Supervised By :mohammad ahmed 10/09/2024

Quant Time: Oct 08 02:01:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 08 00:58:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.705  | 152  | 82115    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.469 | 136  | 323075   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.322 | 164  | 266118   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.116 | 188  | 665418   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.551 | 240  | 735793   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.839 | 264  | 882976   | 20.000 | ng/u1  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.222  | 96   | 34669    | 16.538 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.634  | 84   | 241114   | 40.237 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.887  | 99   | 278284   | 41.429 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.040  | 67   | 162945   | 39.396 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.246  | 132  | 202039   | 41.573 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.399  | 113  | 227451   | 42.733 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 104090   | 43.046 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 122862   | 44.811 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 256679   | 43.109 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.599 | 131  | 298704   | 42.046 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.722 | 166  | 855964   | 41.610 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.004 | 160  | 928600   | 42.636 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.528 | 143  | 146755   | 41.707 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.328 | 176  | 745914   | 40.992 | ng/u1  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 177841   | 43.048 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.216 | 188  | 1246731  | 40.134 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.586 | 212  | 1620516  | 42.511 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.615 | 264  | 1945306  | 41.887 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.258  | 88   | 37520    | 16.522 | ng/uL  | 98       |
| 5) Pyridine                   | 3.652  | 79   | 244883   | 40.223 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.858  | 77   | 180712   | 47.558 | ng/u1  | 99       |
| 8) Phenol                     | 6.916  | 94   | 290879   | 41.496 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.134  | 93   | 218527   | 40.730 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.275  | 128  | 208611   | 41.406 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.140  | 108  | 212300   | 41.759 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 254507   | 51.135 | ng/u1  | 99       |
| 16) Acetophenone              | 8.510  | 105  | 372913   | 42.120 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 194472   | 42.370 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.463  | 108  | 238618   | 43.040 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.763  | 117  | 94411    | 39.697 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.887  | 77   | 298084   | 40.320 | ng/u1  | 99       |
| 23) Isophorone                | 9.410  | 82   | 550189   | 42.964 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.593  | 139  | 132894   | 45.301 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.652  | 107  | 272781   | 41.047 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.881  | 93   | 305887   | 41.439 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 252666   | 42.712 | ng/u1  | 99       |
| 30) Naphthalene               | 10.516 | 128  | 695351   | 40.904 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.622 | 127  | 293861   | 41.765 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.799 | 225  | 200334   | 38.144 | ng/u1  | 99       |
| 34) Caprolactam               | 11.399 | 113  | 83009m   | 46.259 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.751 | 107  | 288706   | 45.112 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.128 | 142  | 537328   | 42.533 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.334 | 142  | 546420   | 42.887 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.498 | 216  | 388142   | 39.340 | ng/ul | 94       |
| 40) Hexachlorocyclopentadiene | 12.475 | 237  | 237269   | 38.231 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.740 | 196  | 251076   | 42.568 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 273159   | 42.767 | ng/ul | 97       |
| 43) 1,1'-Biphenyl             | 13.145 | 154  | 757303   | 39.795 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.187 | 162  | 621252   | 40.546 | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.393 | 65   | 199277   | 44.979 | ng/ul | 97       |
| 47) Dimethylphthalate         | 13.769 | 163  | 838510   | 40.583 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.898 | 165  | 170789   | 43.118 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.034 | 152  | 949505   | 41.805 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.228 | 138  | 160391   | 44.476 | ng/ul | 99       |
| 52) Acenaphthene              | 14.387 | 153  | 652823   | 39.558 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.428 | 184  | 119899   | 44.488 | ng/ul | 96       |
| 55) 4-Nitrophenol             | 14.551 | 109  | 162215   | 40.749 | ng/ul | 99       |
| 56) Dibenzofuran              | 14.728 | 168  | 986101   | 40.191 | ng/ul | 98       |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 265097   | 43.429 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.957 | 232  | 258699   | 42.077 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.145 | 149  | 822470   | 40.222 | ng/ul | 98       |
| 61) Fluorene                  | 15.381 | 166  | 803718   | 39.390 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 455512   | 38.776 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.410 | 138  | 167414   | 45.613 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 195064   | 43.370 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.587 | 169  | 712536   | 40.656 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.281 | 248  | 315218   | 39.447 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.410 | 284  | 380607   | 39.227 | ng/ul | 98       |
| 70) Atrazine                  | 16.569 | 200  | 310584   | 39.726 | ng/ul | 94       |
| 71) Pentachlorophenol         | 16.763 | 266  | 255802   | 39.514 | ng/ul | 95       |
| 72) Phenanthrene              | 17.157 | 178  | 1405901  | 40.296 | ng/ul | 99       |
| 74) Anthracene                | 17.251 | 178  | 1425602  | 40.153 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.110 | 216  | 397339   | 39.792 | ng/ul | 96       |
| 76) Pentachlorobenzene        | 14.645 | 250  | 434670   | 39.584 | ng/ul | 99       |
| 77) Carbazole                 | 17.539 | 167  | 1276528  | 40.794 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.122 | 149  | 1410519  | 39.098 | ng/ul | 100      |
| 80) Fluoranthene              | 19.245 | 202  | 1854630  | 42.567 | ng/ul | 100      |
| 82) Pyrene                    | 19.616 | 202  | 1973632  | 42.083 | ng/ul | 98       |
| 83) Butylbenzylphthalate      | 20.575 | 149  | 695289   | 42.540 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.445 | 252  | 743712   | 44.145 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.527 | 228  | 2090418  | 41.225 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.469 | 149  | 975747   | 40.689 | ng/ul | 100      |
| 87) Chrysene                  | 21.604 | 228  | 1919848  | 40.342 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.716 | 149  | 1655376  | 37.951 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.804 | 252  | 2258578  | 41.205 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 23.868 | 252  | 2205083  | 40.364 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.686 | 252  | 2082748  | 41.237 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.580 | 276  | 2712563  | 41.190 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.633 | 278  | 2171048m | 40.924 | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 29.727 | 276  | 2115430  | 41.399 | ng/ul | 99       |

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

