

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041024\  
 Data File : BN030828.D  
 Acq On : 10 Apr 2024 23:07  
 Operator : MA/JU  
 Sample : PB160141BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS141

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/12/2024  
 Supervised By :mohammad ahmed 04/12/2024

Quant Time: Apr 10 23:41:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN032824.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 09 12:10:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.675  | 152  | 190811   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.458 | 136  | 878419   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.322 | 164  | 607891   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188  | 1309596  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.310 | 240  | 1285094  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 1389289  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 33907    | 8.331  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 423734   | 34.726 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 582483   | 37.736 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.017  | 67   | 336001   | 35.243 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.211  | 132  | 456051   | 38.947 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 477082   | 36.878 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.834  | 128  | 237681   | 39.006 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.552  | 143  | 252757   | 45.342 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 478991   | 39.249 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.605 | 131  | 686426   | 34.166 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 1526769  | 37.618 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.010 | 160  | 1779942  | 38.143 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 319163   | 41.112 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.316 | 176  | 1320889  | 37.191 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 239757   | 41.477 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 2123241  | 37.629 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.469 | 212  | 2592308  | 37.520 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.039 | 264  | 2536824  | 39.629 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.223  | 88   | 48149    | 11.045 | ng/uL  | 98       |
| 5) Pyridine                   | 3.611  | 79   | 402482   | 32.688 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.828  | 77   | 292094   | 40.635 | ng/u1  | 94       |
| 8) Phenol                     | 6.875  | 94   | 574290   | 35.714 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.111  | 93   | 434312   | 33.121 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.246  | 128  | 457632   | 36.432 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.116  | 108  | 431570   | 34.829 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.199  | 45   | 576336   | 31.214 | ng/u1  | 98       |
| 16) Acetophenone              | 8.499  | 105  | 687963   | 33.682 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.487  | 70   | 342660   | 33.309 | ng/u1  | 96       |
| 18) 4-Methylphenol            | 8.452  | 108  | 494495   | 35.648 | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.746  | 117  | 176619   | 33.537 | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.875  | 77   | 515094   | 34.628 | ng/u1  | 98       |
| 23) Isophorone                | 9.399  | 82   | 1001608  | 33.763 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.581  | 139  | 266294   | 40.647 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.646  | 107  | 471348   | 32.370 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.881  | 93   | 626095   | 33.195 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.110 | 162  | 460216   | 36.946 | ng/u1  | 94       |
| 30) Naphthalene               | 10.510 | 128  | 1527756  | 33.911 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.628 | 127  | 632789   | 32.681 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.787 | 225  | 264094   | 33.683 | ng/u1  | 96       |
| 34) Caprolactam               | 11.410 | 113  | 171548m  | 36.864 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 526437   | 37.522 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.128 | 142  | 1102712  | 35.048 | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.352 | 142  | 1087888  | 34.061 | ng/ul | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.499 | 216  | 557711   | 35.550 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.475 | 237  | 248414   | 27.883 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.746 | 196  | 377811   | 38.540 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.816 | 196  | 429220   | 38.769 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.151 | 154  | 1458808  | 35.208 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.193 | 162  | 1129058  | 34.616 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.404 | 65   | 342072   | 39.408 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.787 | 163  | 1448039  | 34.539 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.904 | 165  | 301435   | 38.779 | ng/ul | 98       |
| 50) Acenaphthylene            | 14.046 | 152  | 1858647  | 34.472 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.234 | 138  | 347514   | 42.120 | ng/ul | 97       |
| 52) Acenaphthene              | 14.387 | 153  | 1207420  | 33.604 | ng/ul | 97       |
| 53) 2,4-Dinitrophenol         | 14.440 | 184  | 139971   | 39.204 | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.551 | 109  | 231755   | 37.680 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.722 | 168  | 1734953  | 34.737 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.693 | 165  | 458006   | 40.358 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.946 | 232  | 368285   | 40.054 | ng/ul | 96       |
| 59) Diethylphthalate          | 15.157 | 149  | 1498942  | 35.193 | ng/ul | 99       |
| 61) Fluorene                  | 15.375 | 166  | 1378846  | 34.732 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.369 | 204  | 653138   | 33.534 | ng/ul | 95       |
| 63) 4-Nitroaniline            | 15.404 | 138  | 366922   | 45.744 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198  | 246154   | 39.631 | ng/ul | 94       |
| 67) N-Nitrosodiphenylamine    | 15.587 | 169  | 1293009  | 36.254 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.269 | 248  | 431037   | 34.661 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.369 | 284  | 505221   | 34.502 | ng/ul | 97       |
| 70) Atrazine                  | 16.545 | 200  | 445287   | 36.021 | ng/ul | 98       |
| 71) Pentachlorophenol         | 16.716 | 266  | 333989   | 38.684 | ng/ul | 96       |
| 72) Phenanthrene              | 17.116 | 178  | 2378034  | 35.343 | ng/ul | 99       |
| 74) Anthracene                | 17.204 | 178  | 2323836  | 34.165 | ng/ul | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.110 | 216  | 561800   | 34.918 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.634 | 250  | 554342   | 33.921 | ng/ul | 96       |
| 77) Carbazole                 | 17.481 | 167  | 2317325  | 38.849 | ng/ul | 98       |
| 78) Di-n-butylphthalate       | 18.045 | 149  | 2770950  | 38.079 | ng/ul | 99       |
| 80) Fluoranthene              | 19.134 | 202  | 2858748  | 34.806 | ng/ul | 98       |
| 82) Pyrene                    | 19.498 | 202  | 3073099  | 35.428 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 1350483  | 40.769 | ng/ul | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.222 | 252  | 906480   | 38.389 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.292 | 228  | 3058672  | 35.663 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.216 | 149  | 1880002  | 38.485 | ng/ul | 99       |
| 87) Chrysene                  | 21.351 | 228  | 2862871  | 35.365 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.333 | 149  | 3543938  | 40.281 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 3050957  | 37.315 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.374 | 252  | 2982665  | 35.921 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.098 | 252  | 2552357  | 33.046 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.539 | 276  | 3175101m | 38.029 | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 27.598 | 278  | 2632457  | 37.453 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 28.562 | 276  | 2405510  | 36.700 | ng/ul | 98       |

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

