

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100224\  
 Data File : BN034387.D  
 Acq On : 04 Oct 2024 01:44  
 Operator : RC/JU  
 Sample : PB163635BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS635

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/05/2024  
 Supervised By :mohammad ahmed 10/05/2024

Quant Time: Oct 04 02:45:58 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN091124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 30 14:14:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.381  | 152  | 227314   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.134 | 136  | 874608   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.033 | 164  | 530816   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.792 | 188  | 1018123  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.027 | 240  | 967509   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.733 | 264  | 1220418  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 2.999  | 96   | 28202    | 5.063  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.387  | 84   | 355781   | 21.487 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.581  | 99   | 442382   | 21.928 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.740  | 67   | 272337   | 21.757 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 6.922  | 132  | 403796   | 25.428 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.098  | 113  | 350975   | 21.143 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.522  | 128  | 183213   | 26.282 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.239  | 143  | 195114   | 27.218 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.769  | 165  | 359056   | 26.596 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.286 | 131  | 472640   | 23.125 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.463 | 166  | 976114   | 24.606 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.722 | 160  | 1137821  | 25.496 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.269 | 143  | 170807   | 20.980 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.039 | 176  | 828977   | 24.657 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.174 | 200  | 149850   | 24.685 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.892 | 188  | 1221660  | 25.522 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.204 | 212  | 1416331  | 26.274 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.551 | 264  | 1652419  | 26.359 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.034  | 88   | 57199    | 9.734  | ng/uL  | 91       |
| 5) Pyridine                   | 3.405  | 79   | 342779   | 20.231 | ng/u1  | 93       |
| 6) Benzaldehyde               | 6.540  | 77   | 225566   | 21.182 | ng/u1  | 92       |
| 8) Phenol                     | 6.610  | 94   | 439387   | 20.919 | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 6.828  | 93   | 365715   | 22.402 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 6.951  | 128  | 393410   | 24.174 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 7.834  | 108  | 329019   | 20.958 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 7.904  | 45   | 479069   | 19.899 | ng/u1  | 97       |
| 16) Acetophenone              | 8.198  | 105  | 526940   | 20.039 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.192  | 70   | 250285   | 19.221 | ng/u1  | 94       |
| 18) 4-Methylphenol            | 8.163  | 108  | 362976   | 20.775 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.434  | 117  | 167685   | 24.430 | ng/u1  | 92       |
| 22) Nitrobenzene              | 8.569  | 77   | 398219   | 22.823 | ng/u1  | 94       |
| 23) Isophorone                | 9.092  | 82   | 684812   | 21.283 | ng/u1  | 94       |
| 25) 2-Nitrophenol             | 9.269  | 139  | 212003   | 26.425 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 9.345  | 107  | 299926   | 18.171 | ng/u1  | 91       |
| 27) Bis(2-Chloroethoxy)met... | 9.581  | 93   | 459048   | 23.187 | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 9.798  | 162  | 350340   | 25.629 | ng/u1  | 98       |
| 30) Naphthalene               | 10.187 | 128  | 1181900  | 24.705 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.304 | 127  | 371917   | 18.466 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.475 | 225  | 237371   | 27.067 | ng/u1  | 98       |
| 34) Caprolactam               | 11.081 | 113  | 96240m   | 17.683 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.445 | 107  | 342651   | 21.292 | ng/u1  | 92       |
| 36) 2-Methylnaphthalene       | 11.810 | 142  | 778499   | 23.624 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.033 | 142  | 786240   | 23.571 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.192 | 216  | 426639   | 27.841 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.169 | 237  | 205502   | 21.795 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.445 | 196  | 258244   | 25.420 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 12.516 | 196  | 284327   | 25.480 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 12.857 | 154  | 1000896  | 25.010 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 12.892 | 162  | 789916   | 25.338 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.110 | 65   | 204326   | 20.282 | ng/ul# | 83       |
| 47) Dimethylphthalate         | 13.510 | 163  | 948482   | 23.459 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.627 | 165  | 196092   | 24.631 | ng/ul  | 87       |
| 50) Acenaphthylene            | 13.751 | 152  | 1212265  | 24.825 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 13.951 | 138  | 193755   | 22.023 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.098 | 153  | 827060   | 23.723 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.163 | 184  | 86338    | 18.438 | ng/ul  | 88       |
| 55) 4-Nitrophenol             | 14.280 | 109  | 124668   | 18.031 | ng/ul  | 90       |
| 56) Dibenzofuran              | 14.439 | 168  | 1144700  | 24.010 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.422 | 165  | 282733   | 23.557 | ng/ul  | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.674 | 232  | 232651   | 25.125 | ng/ul  | 91       |
| 59) Diethylphthalate          | 14.898 | 149  | 928892   | 21.986 | ng/ul  | 98       |
| 61) Fluorene                  | 15.092 | 166  | 929566   | 23.835 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.104 | 204  | 446771   | 23.634 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.127 | 138  | 196970m  | 21.756 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.186 | 198  | 160767   | 23.849 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.316 | 169  | 789433   | 25.876 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 15.998 | 248  | 289824   | 28.033 | ng/ul# | 89       |
| 69) Hexachlorobenzene         | 16.098 | 284  | 340104   | 28.342 | ng/ul  | 94       |
| 70) Atrazine                  | 16.286 | 200  | 218207   | 19.740 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.451 | 266  | 197384   | 24.697 | ng/ul  | 98       |
| 72) Phenanthrene              | 16.833 | 178  | 1415595  | 25.216 | ng/ul  | 99       |
| 74) Anthracene                | 16.927 | 178  | 1404582  | 24.502 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 12.810 | 216  | 412130   | 29.085 | ng/ul  | 93       |
| 76) Pentachlorobenzene        | 14.357 | 250  | 394159   | 27.320 | ng/ul  | 98       |
| 77) Carbazole                 | 17.204 | 167  | 1297664  | 24.595 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.792 | 149  | 1575238  | 23.487 | ng/ul  | 98       |
| 80) Fluoranthene              | 18.863 | 202  | 1632931  | 25.911 | ng/ul  | 99       |
| 82) Pyrene                    | 19.233 | 202  | 1728007  | 25.506 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.168 | 149  | 685995   | 22.579 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 20.951 | 252  | 560733   | 25.802 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.009 | 228  | 1689890  | 24.497 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 20.974 | 149  | 1024413  | 23.036 | ng/ul  | 96       |
| 87) Chrysene                  | 21.068 | 228  | 1659666  | 25.215 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.009 | 149  | 1726960  | 21.266 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.886 | 252  | 1853574  | 24.911 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.945 | 252  | 1837480  | 25.033 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.609 | 252  | 1687598  | 24.009 | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.721 | 276  | 2344590  | 26.921 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.780 | 278  | 1935180  | 27.489 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.656 | 276  | 1880908  | 27.820 | ng/ul  | 98       |

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

