

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062024\  
 Data File : BN032119.D  
 Acq On : 21 Jun 2024 06:27  
 Operator : MA/JU  
 Sample : P2710-22MS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4B87MS

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/21/2024  
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 21 07:07:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 20 10:49:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.634  | 152  | 381598   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 1795783  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.281 | 164  | 1208117  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.034 | 188  | 2454375  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.274 | 240  | 1443445  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.180 | 264  | 1582719  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.164  | 96   | 43952    | 4.765  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.564  | 84   | 358532   | 13.808 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.816  | 99   | 1055149  | 32.254 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.981  | 67   | 562237   | 29.383 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.175  | 132  | 917661   | 36.764 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.358  | 113  | 908116   | 34.054 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.799  | 128  | 480966   | 35.029 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 543902   | 38.348 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.046 | 165  | 990167   | 37.394 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.569 | 131  | 963087   | 24.497 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.704 | 166  | 2982814  | 35.440 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 3328560  | 34.394 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.516 | 143  | 525125   | 31.162 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.281 | 176  | 2507657  | 35.213 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.422 | 200  | 446693   | 36.208 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.134 | 188  | 3627159  | 34.519 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.439 | 212  | 3038564  | 39.338 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.986 | 264  | 1718011  | 22.732 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.193  | 88   | 121010   | 12.262 | ng/uL  | 94       |
| 5) Pyridine                   | 3.587  | 79   | 490677   | 18.900 | ng/u1  | 96       |
| 6) Benzaldehyde               | 6.793  | 77   | 455218   | 29.668 | ng/u1  | 94       |
| 8) Phenol                     | 6.846  | 94   | 1408926  | 42.319 | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.075  | 93   | 1028996  | 37.378 | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.205  | 128  | 1154476  | 44.197 | ng/u1  | 94       |
| 13) 2-Methylphenol            | 8.087  | 108  | 1057080  | 41.109 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.158  | 45   | 1154279  | 36.424 | ng/u1  | 99       |
| 16) Acetophenone              | 8.463  | 105  | 1735382  | 42.941 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.458  | 70   | 777810   | 37.141 | ng/u1# | 95       |
| 18) 4-Methylphenol            | 8.422  | 108  | 1212062  | 43.483 | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.699  | 117  | 357789   | 32.346 | ng/u1  | 96       |
| 22) Nitrobenzene              | 8.840  | 77   | 1214257  | 37.118 | ng/u1  | 94       |
| 23) Isophorone                | 9.369  | 82   | 2438563  | 36.339 | ng/u1  | 95       |
| 25) 2-Nitrophenol             | 9.546  | 139  | 719113   | 46.406 | ng/u1  | 92       |
| 26) 2,4-Dimethylphenol        | 9.610  | 107  | 995495   | 33.023 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.846  | 93   | 1516845  | 36.268 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.075 | 162  | 1196777  | 45.775 | ng/u1  | 97       |
| 30) Naphthalene               | 10.469 | 128  | 3902783  | 41.993 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.593 | 127  | 1143468  | 29.958 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.740 | 225  | 702964   | 44.767 | ng/u1  | 98       |
| 34) Caprolactam               | 11.404 | 113  | 376156m  | 36.859 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.728 | 107  | 1324253  | 43.333 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.087 | 142  | 2749563  | 43.282 | ng/u1  | 95       |

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| 37) 1-Methylnaphthalene       | 12.310 | 142  | 2813438  | 44.139  | ng/ul | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 1403060  | 43.913  | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene | 12.428 | 237  | 323769   | 17.582  | ng/ul | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.710 | 196  | 989515   | 45.628  | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.787 | 196  | 1078145  | 45.750  | ng/ul | 96       |
| 43) 1,1'-Biphenyl             | 13.110 | 154  | 3554309  | 41.827  | ng/ul | 95       |
| 44) 2-Chloronaphthalene       | 13.151 | 162  | 2787173  | 41.877  | ng/ul | 98       |
| 45) 2-Nitroaniline            | 13.375 | 65   | 783067   | 40.588  | ng/ul | 88       |
| 47) Dimethylphthalate         | 13.751 | 163  | 3554426  | 41.294  | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.881 | 165  | 801648   | 46.854  | ng/ul | 96       |
| 50) Acenaphthylene            | 14.004 | 152  | 4479093  | 40.953  | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.210 | 138  | 801470   | 43.812  | ng/ul | 90       |
| 52) Acenaphthene              | 14.351 | 153  | 3180119  | 43.944  | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.422 | 184  | 395921   | 45.837  | ng/ul | 94       |
| 55) 4-Nitrophenol             | 14.534 | 109  | 554001   | 44.317  | ng/ul | 88       |
| 56) Dibenzofuran              | 14.687 | 168  | 4209024  | 42.809  | ng/ul | 94       |
| 57) 2,4-Dinitrotoluene        | 14.669 | 165  | 1109497  | 44.194  | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.916 | 232  | 881696   | 44.728  | ng/ul | 93       |
| 59) Diethylphthalate          | 15.122 | 149  | 3707407  | 41.741  | ng/ul | 97       |
| 61) Fluorene                  | 15.339 | 166  | 3332573  | 42.091  | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.334 | 204  | 1467238  | 38.261  | ng/ul | 91       |
| 63) 4-Nitroaniline            | 15.381 | 138  | 875833m  | 50.293  | ng/ul |          |
| 66) 4,6-Dinitro-2-methylph... | 15.440 | 198  | 606055   | 46.211  | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.551 | 169  | 2943913  | 43.515  | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether | 16.228 | 248  | 1071199  | 45.045  | ng/ul | 96       |
| 69) Hexachlorobenzene         | 16.334 | 284  | 948929   | 35.207  | ng/ul | 96       |
| 70) Atrazine                  | 16.516 | 200  | 925385   | 43.322  | ng/ul | 99       |
| 71) Pentachlorophenol         | 16.686 | 266  | 717139   | 41.587  | ng/ul | 95       |
| 72) Phenanthrene              | 17.086 | 178  | 8923505  | 71.371  | ng/ul | 99       |
| 74) Anthracene                | 17.169 | 178  | 5889194  | 46.485  | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.075 | 216  | 1429812  | 45.260  | ng/ul | 97       |
| 76) Pentachlorobenzene        | 14.598 | 250  | 1213515  | 39.438  | ng/ul | 98       |
| 77) Carbazole                 | 17.445 | 167  | 4755116  | 44.018  | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.004 | 149  | 6625380  | 44.579  | ng/ul | 99       |
| 80) Fluoranthene              | 19.104 | 202  | 9774414  | 105.885 | ng/ul | 97       |
| 82) Pyrene                    | 19.469 | 202  | 7791051  | 82.261  | ng/ul | 96       |
| 83) Butylbenzylphthalate      | 20.369 | 149  | 2772978  | 61.988  | ng/ul | 93       |
| 84) 3,3'-Dichlorobenzidine    | 21.186 | 252  | 770014   | 27.818  | ng/ul | 97       |
| 85) Benzo(a)anthracene        | 21.257 | 228  | 6444269  | 66.700  | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.174 | 149  | 4181000  | 64.117  | ng/ul | 98       |
| 87) Chrysene                  | 21.316 | 228  | 6277333  | 69.558  | ng/ul | 97       |
| 89) Di-n-octyl phthalate      | 22.274 | 149  | 6178607  | 58.311  | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.274 | 252  | 6579634  | 69.550  | ng/ul | 98       |
| 91) Benzo(k)fluoranthene      | 23.333 | 252  | 4776993  | 51.459  | ng/ul | 97       |
| 93) Benzo(a)pyrene            | 24.051 | 252  | 2736341  | 30.883  | ng/ul | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.474 | 276  | 4192949  | 41.067  | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.527 | 278  | 4004770  | 48.043  | ng/ul | 95       |
| 96) Benzo(g,h,i)perylene      | 28.474 | 276  | 430416   | 5.303   | ng/ul | 94       |

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

