

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111722\  
 Data File : BN022760.D  
 Acq On : 18 Nov 2022 17:04  
 Operator : CG/JU  
 Sample : PB149074BS  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS074

Quant Time: Nov 18 21:48:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN111522.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 18 05:17:17 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2022  
 Supervised By :mohammad ahmed 11/21/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.852  | 152  | 54164    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.669 | 136  | 265841   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.528 | 164  | 181417   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.280 | 188  | 388108   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.486 | 240  | 395182   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.880 | 264  | 421366   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 8899m    | 5.609  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.611  | 84   | 119351   | 26.602 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.022  | 99   | 169628   | 33.159 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.187  | 67   | 105482   | 34.390 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.381  | 132  | 121102   | 32.325 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.581  | 113  | 138128   | 34.202 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.034  | 128  | 66176    | 32.160 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.757  | 143  | 71864    | 31.299 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.298 | 165  | 127322   | 32.528 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.822 | 131  | 185021   | 31.032 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.939 | 166  | 442483   | 33.533 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.216 | 160  | 481148   | 33.093 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.751 | 143  | 90427    | 34.376 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.522 | 176  | 366325   | 33.849 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 200  | 77230    | 31.307 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.380 | 188  | 568587   | 33.457 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.686 | 212  | 645368   | 31.513 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.727 | 264  | 709085   | 33.476 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.211  | 88   | 16937    | 10.032 | ng/uL  | 96       |
| 5) Pyridine                   | 3.634  | 79   | 120106   | 26.999 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.993  | 77   | 101458   | 39.200 | ng/u1  | 98       |
| 8) Phenol                     | 7.052  | 94   | 172616   | 32.398 | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.281  | 93   | 132238   | 31.851 | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.410  | 128  | 128454   | 32.111 | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.310  | 108  | 130669   | 32.949 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.393  | 45   | 188468   | 34.390 | ng/u1  | 99       |
| 16) Acetophenone              | 8.693  | 105  | 223952   | 34.743 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.681  | 70   | 124372   | 36.203 | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.646  | 108  | 147654   | 34.288 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.934  | 117  | 52623    | 31.070 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.075  | 77   | 176118   | 31.591 | ng/u1  | 100      |
| 23) Isophorone                | 9.604  | 82   | 348625   | 32.692 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.787  | 139  | 78795    | 31.215 | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.851  | 107  | 166319   | 30.716 | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.093 | 93   | 199570   | 32.453 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.322 | 162  | 127475   | 32.042 | ng/u1  | 93       |
| 30) Naphthalene               | 10.722 | 128  | 440427   | 31.214 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.845 | 127  | 190942   | 30.666 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.998 | 225  | 76648    | 31.301 | ng/u1  | 98       |
| 34) Caprolactam               | 11.640 | 113  | 51612m   | 34.196 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.981 | 107  | 179494   | 34.594 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.340 | 142  | 314371   | 32.705 | ng/u1  | 98       |

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## Manual Integrations

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Quant Title : SVOA CALIBRATION

QLast Update : Fri Nov 18 05:17:17 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.563 | 142  | 316262   | 32.822 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.710 | 216  | 150693   | 30.947 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.681 | 237  | 71017    | 24.979 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.957 | 196  | 108314   | 31.329 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.034 | 196  | 116282   | 31.761 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.357 | 154  | 415091   | 31.172 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.404 | 162  | 326284   | 31.445 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.616 | 65   | 128660   | 34.143 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.987 | 163  | 455725   | 32.859 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.116 | 165  | 94040    | 33.496 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.245 | 152  | 521193   | 32.089 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.445 | 138  | 98533    | 32.595 | ng/ul  | 100      |
| 52) Acenaphthene              | 14.592 | 153  | 371863   | 32.269 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.663 | 184  | 55700    | 28.389 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.763 | 109  | 88802    | 34.056 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.928 | 168  | 501739   | 32.952 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 141273   | 34.555 | ng/ul  | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 103208   | 32.914 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.351 | 149  | 491748   | 33.452 | ng/ul  | 99       |
| 61) Fluorene                  | 15.575 | 166  | 424883   | 33.414 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.569 | 204  | 194193   | 32.399 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.616 | 138  | 102230   | 37.921 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.669 | 198  | 79139    | 31.037 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.786 | 169  | 372939   | 32.094 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248  | 120944   | 31.645 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.581 | 284  | 146109   | 32.704 | ng/ul# | 88       |
| 70) Atrazine                  | 16.751 | 200  | 134782   | 32.540 | ng/ul  | 90       |
| 71) Pentachlorophenol         | 16.933 | 266  | 84580    | 29.797 | ng/ul  | 92       |
| 72) Phenanthrene              | 17.322 | 178  | 679686   | 32.492 | ng/ul  | 98       |
| 74) Anthracene                | 17.416 | 178  | 686791   | 32.413 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.322 | 216  | 149959   | 29.300 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.839 | 250  | 156129   | 28.265 | ng/uL  | 97       |
| 77) Carbazole                 | 17.692 | 167  | 660192   | 33.533 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.251 | 149  | 894581   | 31.928 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.345 | 202  | 800497   | 31.318 | ng/ul  | 96       |
| 82) Pyrene                    | 19.716 | 202  | 832036   | 31.778 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.616 | 149  | 426144   | 31.974 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.404 | 252  | 295398   | 33.878 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.468 | 228  | 833736   | 31.948 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.392 | 149  | 644584   | 32.767 | ng/ul  | 96       |
| 87) Chrysene                  | 21.521 | 228  | 793501   | 32.109 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.310 | 149  | 1141310  | 30.798 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.151 | 252  | 904895   | 31.689 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.198 | 252  | 841633   | 31.050 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.780 | 252  | 769900   | 31.808 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.398 | 276  | 933854   | 33.925 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.415 | 278  | 862616   | 34.963 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.168 | 276  | 819410   | 34.140 | ng/ul  | 100      |

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

