

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102621\  
 Data File : BN017088.D  
 Acq On : 26 Oct 2021 13:01  
 Operator : CG/JU  
 Sample : SST02031  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST02031

Manual Integrations  
 APPROVED

mohammad

10/27/2021 11:51:39 AM

Quant Time: Oct 26 13:36:06 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN102621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 26 13:33:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.534  | 152  | 274919   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.310 | 136  | 1286947  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.193 | 164  | 853227   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.945 | 188  | 1782085  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.157 | 240  | 1713817  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.374 | 264  | 1648926  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.070  | 96   | 57476    | 7.658  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.464  | 84   | 386155   | 18.534 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.722  | 99   | 472964   | 17.475 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.887  | 67   | 289356   | 17.971 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.069  | 132  | 386895   | 18.849 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.252  | 113  | 397251   | 17.576 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.687  | 128  | 191075   | 18.793 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.405  | 143  | 211395   | 18.988 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.940  | 165  | 388910   | 19.026 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.457 | 131  | 581760   | 18.209 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.616 | 166  | 1233245  | 17.909 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.881 | 160  | 1567212  | 18.329 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.410 | 143  | 236490   | 16.940 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.193 | 176  | 1047663  | 17.839 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.322 | 200  | 204892   | 17.147 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.045 | 188  | 1667765  | 18.062 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.351 | 212  | 1860422  | 18.911 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.233 | 264  | 1716176  | 17.998 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.105  | 88   | 56330    | 7.114  | ng/uL  | 100      |
| 5) Pyridine                   | 3.481  | 79   | 392733   | 18.310 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.687  | 77   | 296022   | 17.156 | ng/u1  | 100      |
| 8) Phenol                     | 6.752  | 94   | 492689   | 17.852 | ng/u1  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 6.975  | 93   | 392131   | 17.906 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.105  | 128  | 399935   | 18.810 | ng/u1  | 100      |
| 13) 2-Methylphenol            | 7.987  | 108  | 370291   | 17.568 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.075  | 45   | 582182   | 20.128 | ng/u1  | 100      |
| 16) Acetophenone              | 8.358  | 105  | 622880   | 18.081 | ng/u1  | 100      |
| 17) N-Nitroso-di-n-propyla... | 8.346  | 70   | 310608   | 17.678 | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.316  | 108  | 421501   | 17.815 | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.599  | 117  | 154442   | 18.648 | ng/u1  | 100      |
| 22) Nitrobenzene              | 8.728  | 77   | 427648   | 18.071 | ng/u1  | 100      |
| 23) Isophorone                | 9.252  | 82   | 880952   | 18.017 | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 9.434  | 139  | 230899   | 18.940 | ng/u1  | 100      |
| 26) 2,4-Dimethylphenol        | 9.510  | 107  | 461191   | 18.547 | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 9.746  | 93   | 555631   | 18.081 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 9.963  | 162  | 383260   | 18.835 | ng/u1  | 100      |
| 30) Naphthalene               | 10.357 | 128  | 1338436  | 18.376 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.481 | 127  | 584026   | 18.111 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.652 | 225  | 227664   | 18.304 | ng/u1  | 100      |
| 34) Caprolactam               | 11.228 | 113  | 131724m  | 16.248 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.616 | 107  | 437928   | 18.416 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 11.987 | 142  | 936154   | 18.587 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.204 | 142  | 968213   | 18.505 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.357 | 216  | 472644   | 18.398 | ng/ul | 100      |
| 40) Hexachlorocyclopentadiene | 12.340 | 237  | 281508   | 17.176 | ng/ul | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.610 | 196  | 312603   | 18.471 | ng/ul | 100      |
| 42) 2,4,5-Trichlorophenol     | 12.681 | 196  | 352772   | 18.680 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.016 | 154  | 1271054  | 18.221 | ng/ul | 100      |
| 44) 2-Chloronaphthalene       | 13.051 | 162  | 965104   | 18.244 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.269 | 65   | 269815   | 18.818 | ng/ul | 100      |
| 47) Dimethylphthalate         | 13.663 | 163  | 1245913  | 18.044 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 13.781 | 165  | 246429   | 18.993 | ng/ul | 100      |
| 50) Acenaphthylene            | 13.904 | 152  | 1619800  | 18.228 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.104 | 138  | 269423   | 16.981 | ng/ul | 100      |
| 52) Acenaphthene              | 14.257 | 153  | 1024096  | 17.758 | ng/ul | 100      |
| 53) 2,4-Dinitrophenol         | 14.316 | 184  | 131045   | 15.308 | ng/ul | 100      |
| 55) 4-Nitrophenol             | 14.428 | 109  | 167966   | 16.755 | ng/ul | 100      |
| 56) Dibenzofuran              | 14.593 | 168  | 1470309  | 17.767 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 14.569 | 165  | 358729   | 18.411 | ng/ul | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 14.822 | 232  | 283752   | 17.955 | ng/ul | 100      |
| 59) Diethylphthalate          | 15.040 | 149  | 1238819  | 17.933 | ng/ul | 100      |
| 61) Fluorene                  | 15.245 | 166  | 1180661  | 18.016 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.251 | 204  | 577594   | 18.110 | ng/ul | 100      |
| 63) 4-Nitroaniline            | 15.275 | 138  | 274465   | 16.668 | ng/ul | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.340 | 198  | 213901   | 17.766 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.469 | 169  | 1043118  | 18.341 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.145 | 248  | 357354   | 17.793 | ng/ul | 100      |
| 69) Hexachlorobenzene         | 16.251 | 284  | 415030   | 16.778 | ng/ul | 100      |
| 70) Atrazine                  | 16.434 | 200  | 378445   | 17.757 | ng/ul | 100      |
| 71) Pentachlorophenol         | 16.598 | 266  | 240329   | 16.419 | ng/ul | 100      |
| 72) Phenanthrene              | 16.987 | 178  | 1893015  | 17.543 | ng/ul | 100      |
| 74) Anthracene                | 17.081 | 178  | 1929244  | 17.804 | ng/ul | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.975 | 216  | 495653   | 18.947 | ng/ul | 100      |
| 76) Pentachlorobenzene        | 14.510 | 250  | 492408   | 17.568 | ng/ul | 100      |
| 77) Carbazole                 | 17.357 | 167  | 1763659  | 18.051 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 17.939 | 149  | 2068527  | 17.934 | ng/ul | 100      |
| 80) Fluoranthene              | 19.016 | 202  | 2225123  | 19.351 | ng/ul | 100      |
| 82) Pyrene                    | 19.381 | 202  | 2276631  | 18.959 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.316 | 149  | 872742   | 18.486 | ng/ul | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.086 | 252  | 751612   | 17.056 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.145 | 228  | 2144198  | 17.676 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.104 | 149  | 1391932  | 18.773 | ng/ul | 100      |
| 87) Chrysene                  | 21.198 | 228  | 2146664  | 18.099 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 21.980 | 149  | 2225549  | 18.685 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.710 | 252  | 2074101  | 17.751 | ng/ul | 100      |
| 91) Benzo(k)fluoranthene      | 22.751 | 252  | 2151654  | 19.292 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 23.274 | 252  | 2102568  | 18.403 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 25.604 | 276  | 2149447  | 15.858 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 25.615 | 278  | 1821830  | 15.659 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 26.280 | 276  | 1806343  | 15.829 | ng/ul | 100      |

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

