

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102621\  
 Data File : BN017090.D  
 Acq On : 26 Oct 2021 14:14  
 Operator : CG/JU  
 Sample : SST08033  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST080233

Manual Integrations  
 APPROVED

mohammad  
 10/27/2021 11:51:44 AM

Quant Time: Oct 26 14:44:32 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     | 7.540  | 152  | 274947   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.316 | 136  | 1254635  | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.192 | 164  | 786871   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.951 | 188  | 1588492  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.163 | 240  | 1165332  | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.374 | 264  | 1042663  | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.075  | 96   | 271709   | 36.197  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.464  | 84   | 1906221  | 91.480  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.734  | 99   | 2440167  | 90.152  | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.893  | 67   | 1393615  | 86.545  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.081  | 132  | 1939619  | 94.484  | ng/u1  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.269  | 113  | 1961688  | 86.783  | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 8.699  | 128  | 983486   | 99.220  | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.416  | 143  | 1125424  | 103.692 | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 9.951  | 165  | 1885299  | 94.606  | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.469 | 131  | 2673965  | 85.852  | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.628 | 166  | 5288866  | 83.280  | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 13.887 | 160  | 6612383  | 83.855  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.439 | 143  | 1108920  | 86.134  | ng/u1  | 0.03     |
| 60) Fluorene-d10              | 15.198 | 176  | 4295981  | 79.319  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.339 | 200  | 1019161  | 95.686  | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.051 | 188  | 6538011  | 79.434  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.357 | 212  | 6797345  | 101.612 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.245 | 264  | 5190842  | 86.093  | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.105  | 88   | 270936   | 34.216  | ng/uL  | 99       |
| 5) Pyridine                   | 3.481  | 79   | 1897114  | 88.436  | ng/u1  | 99       |
| 6) Benzaldehyde               | 6.693  | 77   | 1462046  | 84.725  | ng/u1  | 97       |
| 8) Phenol                     | 6.763  | 94   | 2413113  | 87.425  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 6.987  | 93   | 1863364  | 85.080  | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.110  | 128  | 1957737  | 92.069  | ng/u1  | 99       |
| 13) 2-Methylphenol            | 7.993  | 108  | 1853613  | 87.934  | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.081  | 45   | 2710782  | 93.711  | ng/u1  | 100      |
| 16) Acetophenone              | 8.369  | 105  | 2741356  | 79.570  | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.381  | 70   | 1404514  | 79.929  | ng/u1  | 95       |
| 18) 4-Methylphenol            | 8.340  | 108  | 2005111  | 84.737  | ng/u1  | 100      |
| 19) Hexachloroethane          | 8.599  | 117  | 740615   | 89.414  | ng/u1  | 98       |
| 22) Nitrobenzene              | 8.740  | 77   | 2078911  | 90.109  | ng/u1  | 98       |
| 23) Isophorone                | 9.269  | 82   | 4212562  | 88.371  | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.446  | 139  | 1169299  | 98.386  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.522  | 107  | 2165526  | 89.330  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.757  | 93   | 2561614  | 85.506  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 9.975  | 162  | 1832962  | 92.401  | ng/u1  | 96       |
| 30) Naphthalene               | 10.369 | 128  | 5979025  | 84.204  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.493 | 127  | 2594602  | 82.534  | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 10.651 | 225  | 1083938  | 89.392  | ng/u1  | 97       |
| 34) Caprolactam               | 11.293 | 113  | 689264m  | 87.208  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.640 | 107  | 2048674  | 88.373  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 11.993 | 142  | 4072266  | 82.938  | ng/u1  | 98       |

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|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.216 | 142  | 4142940  | 81.220  | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.369 | 216  | 2060121  | 86.954  | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.345 | 237  | 1433570  | 94.845  | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.616 | 196  | 1459532  | 93.513  | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.687 | 196  | 1609224  | 92.396  | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.028 | 154  | 5291478  | 82.253  | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.063 | 162  | 4113090  | 84.307  | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.281 | 65   | 1323308  | 100.074 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.675 | 163  | 5133961  | 80.622  | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.798 | 165  | 1186409  | 99.151  | ng/ul  | 99       |
| 50) Acenaphthylene            | 13.916 | 152  | 6503828  | 79.360  | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.122 | 138  | 1309068  | 89.466  | ng/ul  | 98       |
| 52) Acenaphthene              | 14.263 | 153  | 4213003  | 79.214  | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.328 | 184  | 783077   | 99.187  | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.457 | 109  | 770212   | 83.310  | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.604 | 168  | 5845595  | 76.593  | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.587 | 165  | 1571634  | 87.462  | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.834 | 232  | 1312814  | 90.077  | ng/ul  | 95       |
| 59) Diethylphthalate          | 15.051 | 149  | 5194453  | 81.535  | ng/ul  | 100      |
| 61) Fluorene                  | 15.257 | 166  | 4365553  | 72.233  | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.257 | 204  | 2155735  | 73.290  | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.304 | 138  | 1289454m | 84.911  | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.357 | 198  | 984952   | 91.776  | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.475 | 169  | 4202072  | 82.889  | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.151 | 248  | 1565801  | 87.462  | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.257 | 284  | 1751147  | 79.421  | ng/ul  | 98       |
| 70) Atrazine                  | 16.445 | 200  | 1646036  | 86.648  | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.604 | 266  | 1180617  | 90.486  | ng/ul  | 98       |
| 72) Phenanthrene              | 16.998 | 178  | 7391366  | 76.846  | ng/ul  | 97       |
| 74) Anthracene                | 17.092 | 178  | 7344155  | 76.035  | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 12.981 | 216  | 2206802  | 94.639  | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.522 | 250  | 2136885  | 85.532  | ng/ul  | 97       |
| 77) Carbazole                 | 17.363 | 167  | 6833300  | 78.461  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.945 | 149  | 8274721  | 80.486  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.022 | 202  | 8119241  | 103.842 | ng/ul  | 98       |
| 82) Pyrene                    | 19.392 | 202  | 7924886  | 97.056  | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.316 | 149  | 3472052  | 108.160 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.092 | 252  | 2540604  | 84.786  | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.151 | 228  | 6844448  | 82.978  | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.104 | 149  | 4671049  | 92.649  | ng/ul  | 100      |
| 87) Chrysene                  | 21.204 | 228  | 6498354  | 80.578  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 21.980 | 149  | 7581709  | 100.666 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.715 | 252  | 6615577  | 89.538  | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 22.763 | 252  | 5974828  | 84.721  | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.286 | 252  | 6205901  | 85.900  | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.621 | 276  | 6834881  | 79.747  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.633 | 278  | 5676315  | 77.158  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.298 | 276  | 5765475  | 79.901  | ng/ul  | 97       |

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

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