

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061221\  
 Data File : BN014890.D  
 Acq On : 12 Jun 2021 12:25  
 Operator : CG/JU  
 Sample : SST08055  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST080055

Manual Integrations  
 APPROVED

mohammad  
 6/14/2021 5:49:27 PM

Quant Time: Jun 14 01:51:23 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN061221MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jun 14 01:48:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 100168   | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 394091   | 20.00 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.345 | 164  | 279908   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 651160   | 20.00 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.304 | 240  | 753368   | 20.00 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.557 | 264  | 876273   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 58216    | 23.67 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 386594   | 62.41 | ng/ul  | -0.01    |
| 7) Phenol-d5                  | 6.869  | 99   | 608263   | 62.02 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 277828   | 56.96 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.228  | 132  | 483102   | 79.53 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.404  | 113  | 522449   | 68.51 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 250616   | 84.42 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 287585   | 90.13 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.104 | 165  | 561775   | 77.22 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.616 | 131  | 639511   | 74.56 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.757 | 166  | 1736388  | 78.08 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.039 | 160  | 1925578  | 74.88 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.569 | 143  | 281777   | 79.76 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.345 | 176  | 1409777  | 73.58 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.475 | 200  | 347957   | 97.70 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.198 | 188  | 2284779  | 75.11 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.504 | 212  | 2705599  | 76.17 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.415 | 264  | 3367232  | 72.14 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.234  | 88   | 58360    | 20.21 | ng/uL# | 83       |
| 5) Pyridine                   | 3.622  | 79   | 385973   | 59.46 | ng/ul# | 93       |
| 6) Benzaldehyde               | 6.834  | 77   | 313092   | 59.28 | ng/ul  | 94       |
| 8) Phenol                     | 6.899  | 94   | 608625   | 60.31 | ng/ul# | 79       |
| 10) Bis(2-Chloroethyl)ether   | 7.122  | 93   | 446880m  | 57.37 | ng/ul  |          |
| 12) 2-Chlorophenol            | 7.257  | 128  | 481911   | 75.80 | ng/ul  | 93       |
| 13) 2-Methylphenol            | 8.134  | 108  | 485594   | 65.52 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 287121   | 58.43 | ng/ul  | 99       |
| 16) Acetophenone              | 8.510  | 105  | 808372   | 64.04 | ng/ul# | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.504  | 70   | 398950   | 65.61 | ng/ul# | 87       |
| 18) 4-Methylphenol            | 8.469  | 108  | 510630   | 63.17 | ng/ul  | 96       |
| 19) Hexachloroethane          | 8.763  | 117  | 250237   | 78.61 | ng/ul  | 92       |
| 22) Nitrobenzene              | 8.887  | 77   | 660256   | 71.27 | ng/ul  | 97       |
| 23) Isophorone                | 9.416  | 82   | 1143155  | 64.98 | ng/ul# | 92       |
| 25) 2-Nitrophenol             | 9.593  | 139  | 283906   | 83.72 | ng/ul  | 92       |
| 26) 2,4-Dimethylphenol        | 9.663  | 107  | 739898   | 70.88 | ng/ul  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.898  | 93   | 620306   | 58.03 | ng/ul# | 94       |
| 29) 2,4-Dichlorophenol        | 10.128 | 162  | 527200   | 75.56 | ng/ul  | 91       |
| 30) Naphthalene               | 10.528 | 128  | 1541196  | 71.95 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.640 | 127  | 634043   | 69.46 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.816 | 225  | 480938   | 77.08 | ng/ul  | 96       |
| 34) Caprolactam               | 11.410 | 113  | 159204m  | 70.62 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.781 | 107  | 723670   | 71.57 | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.145 | 142  | 1119688  | 70.13 | ng/ul  | 98       |

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 SST080055

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.369 | 142  | 1134596  | 72.28 | ng/ul# | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.522 | 216  | 765146   | 72.30 | ng/ul# | 95       |
| 40) Hexachlorocyclopentadiene | 12.504 | 237  | 594815   | 84.84 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.763 | 196  | 491717   | 82.74 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.845 | 196  | 518159   | 79.89 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.175 | 154  | 1513329  | 75.58 | ng/ul# | 95       |
| 44) 2-Chloronaphthalene       | 13.210 | 162  | 1220097  | 76.04 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.422 | 65   | 411088   | 84.12 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.804 | 163  | 1635844  | 74.37 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.928 | 165  | 356893   | 87.32 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.063 | 152  | 1725750  | 72.99 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.251 | 138  | 288027   | 72.62 | ng/ul  | 84       |
| 52) Acenaphthene              | 14.410 | 153  | 1295363  | 75.61 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.463 | 184  | 226099   | 76.19 | ng/ul# | 85       |
| 55) 4-Nitrophenol             | 14.581 | 109  | 459323   | 67.82 | ng/ul  | 85       |
| 56) Dibenzofuran              | 14.745 | 168  | 1862308  | 73.08 | ng/ul# | 81       |
| 57) 2,4-Dinitrotoluene        | 14.716 | 165  | 547830   | 84.10 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.981 | 232  | 482396   | 72.30 | ng/ul# | 87       |
| 59) Diethylphthalate          | 15.181 | 149  | 1700764  | 80.43 | ng/ul  | 94       |
| 61) Fluorene                  | 15.404 | 166  | 1361986  | 71.04 | ng/ul  | 86       |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 781230   | 68.87 | ng/ul# | 80       |
| 63) 4-Nitroaniline            | 15.428 | 138  | 281646   | 69.91 | ng/ul# | 70       |
| 66) 4,6-Dinitro-2-methylph... | 15.486 | 198  | 322165   | 92.46 | ng/ul# | 91       |
| 67) N-Nitrosodiphenylamine    | 15.616 | 169  | 1330252  | 75.85 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 597958   | 70.52 | ng/ul# | 75       |
| 69) Hexachlorobenzene         | 16.410 | 284  | 754204   | 71.10 | ng/ul# | 94       |
| 70) Atrazine                  | 16.569 | 200  | 598081   | 82.47 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.757 | 266  | 458144   | 75.02 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.145 | 178  | 2511648  | 73.82 | ng/ul  | 96       |
| 74) Anthracene                | 17.233 | 178  | 2470248  | 72.04 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.139 | 216  | 780777   | 72.56 | ng/uL  | 95       |
| 76) Pentachlorobenzene        | 14.669 | 250  | 831533   | 74.72 | ng/uL  | 99       |
| 77) Carbazole                 | 17.504 | 167  | 2197209  | 76.03 | ng/ul  | 95       |
| 78) Di-n-butylphthalate       | 18.075 | 149  | 2805134  | 82.37 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.169 | 202  | 3220228  | 76.88 | ng/ul# | 93       |
| 82) Pyrene                    | 19.533 | 202  | 3262193  | 75.73 | ng/ul# | 94       |
| 83) Butylbenzylphthalate      | 20.439 | 149  | 1351720  | 93.39 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.221 | 252  | 1033835  | 72.79 | ng/ul# | 93       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 3286258  | 69.98 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 1854138  | 88.87 | ng/ul  | 98       |
| 87) Chrysene                  | 21.339 | 228  | 3309102  | 69.97 | ng/ul  | 96       |
| 89) Di-n-octyl phthalate      | 22.110 | 149  | 3751772  | 96.77 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.880 | 252  | 3853890  | 73.28 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 22.927 | 252  | 3717392  | 70.95 | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 23.462 | 252  | 3486700  | 73.26 | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.845 | 276  | 4578440  | 70.21 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 25.856 | 278  | 3565527  | 66.07 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.545 | 276  | 4162801  | 72.13 | ng/ul  | 95       |

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

