

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052721\  
 Data File : BM030194.D  
 Acq On : 27 May 2021 10:37  
 Operator : CG/JU  
 Sample : PB136657BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS657

Manual Integrations  
 APPROVED

mohammad  
 5/27/2021 11:11:06 PM

Quant Time: May 27 11:13:49 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM052621.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 27 10:27:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.875  | 152  | 245696   | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.669 | 136  | 1097913  | 20.00 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.498 | 164  | 743786   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.233 | 188  | 1581055  | 20.00 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.391 | 240  | 1578857  | 20.00 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.685 | 264  | 1269543  | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.340  | 96   | 36128    | 6.02  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.751  | 84   | 511117   | 30.37 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.028  | 99   | 825960   | 38.23 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.204  | 67   | 508294   | 37.28 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.404  | 132  | 625310   | 38.64 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.575  | 113  | 667917   | 38.94 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.028  | 128  | 308683   | 43.07 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.751  | 143  | 312309   | 45.76 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.286 | 165  | 697624   | 39.61 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.798 | 131  | 939999   | 35.94 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.904 | 166  | 2267643  | 39.88 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.192 | 160  | 2784585  | 37.99 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.680 | 143  | 404746   | 44.05 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.486 | 176  | 1963718  | 39.56 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 200  | 349019   | 45.54 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.333 | 188  | 3009758  | 38.46 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.615 | 212  | 3462099  | 40.91 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.538 | 264  | 2944112  | 40.91 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.369  | 88   | 84051    | 13.02 | ng/uL  | 98       |
| 5) Pyridine                   | 3.769  | 79   | 492013   | 28.47 | ng/ul  | 99       |
| 6) Benzaldehyde               | 7.016  | 77   | 450669   | 39.10 | ng/ul  | 99       |
| 8) Phenol                     | 7.057  | 94   | 741863   | 33.81 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.298  | 93   | 579856   | 32.92 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.439  | 128  | 570654   | 34.44 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.304  | 108  | 563032   | 33.93 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.404  | 45   | 951893   | 32.52 | ng/ul  | 100      |
| 16) Acetophenone              | 8.692  | 105  | 941331   | 33.95 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.686  | 70   | 506460   | 34.63 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.633  | 108  | 630637   | 35.29 | ng/ul  | 97       |
| 19) Hexachloroethane          | 8.957  | 117  | 225155   | 31.74 | ng/ul  | 96       |
| 22) Nitrobenzene              | 9.069  | 77   | 698405   | 36.00 | ng/ul  | 99       |
| 23) Isophorone                | 9.598  | 82   | 1376752  | 33.65 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.780  | 139  | 312487   | 40.55 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.833  | 107  | 604792   | 29.50 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.075 | 93   | 837760   | 33.41 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.310 | 162  | 603839   | 35.53 | ng/ul  | 100      |
| 30) Naphthalene               | 10.716 | 128  | 1950884  | 32.39 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.822 | 127  | 826392   | 30.52 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.004 | 225  | 366543   | 31.65 | ng/ul  | 99       |
| 34) Caprolactam               | 11.598 | 113  | 205162m  | 39.52 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.939 | 107  | 660041   | 37.05 | ng/ul  | 100      |
| 36) 2-Methylnaphthalene       | 12.321 | 142  | 1482434  | 32.91 | ng/ul  | 98       |

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|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.545 | 142  | 1451387  | 33.15 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.692 | 216  | 777057   | 32.20 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.674 | 237  | 379904   | 22.46 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.927 | 196  | 509256   | 37.60 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 12.998 | 196  | 559332   | 38.17 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.333 | 154  | 1972400  | 33.25 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.374 | 162  | 1513509  | 33.19 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.574 | 65   | 444599   | 42.45 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.951 | 163  | 2008787  | 35.76 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.068 | 165  | 398435   | 44.51 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.221 | 152  | 2325089  | 32.85 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.398 | 138  | 413365   | 39.62 | ng/ul# | 96       |
| 52) Acenaphthene              | 14.562 | 153  | 1709390  | 34.19 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.598 | 184  | 204620   | 36.41 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.698 | 109  | 286207   | 28.37 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.892 | 168  | 2396481  | 34.63 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.851 | 165  | 579365   | 44.63 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.115 | 232  | 492039   | 39.76 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.315 | 149  | 2086508  | 36.67 | ng/ul  | 99       |
| 61) Fluorene                  | 15.545 | 166  | 2075279  | 35.34 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.533 | 204  | 1017116  | 35.33 | ng/ul  | 100      |
| 63) 4-Nitroaniline            | 15.557 | 138  | 456148   | 42.52 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.615 | 198  | 313810   | 39.69 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 15.745 | 169  | 1779272  | 34.50 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.427 | 248  | 631613   | 35.49 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.545 | 284  | 709678   | 34.89 | ng/ul  | 99       |
| 70) Atrazine                  | 16.692 | 200  | 638712   | 34.53 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.880 | 266  | 413303   | 33.27 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.274 | 178  | 3284296  | 35.45 | ng/ul  | 100      |
| 74) Anthracene                | 17.362 | 178  | 3321437  | 34.95 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.298 | 216  | 789123   | 30.59 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.815 | 250  | 786797   | 32.88 | ng/uL  | 99       |
| 77) Carbazole                 | 17.627 | 167  | 3020715  | 35.07 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.192 | 149  | 3664793  | 38.31 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.280 | 202  | 3872736  | 37.43 | ng/ul  | 99       |
| 82) Pyrene                    | 19.639 | 202  | 3983660  | 36.84 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 1555161  | 42.14 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.303 | 252  | 1171819  | 35.06 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.374 | 228  | 3741382  | 35.97 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.303 | 149  | 2417033  | 40.81 | ng/ul  | 99       |
| 87) Chrysene                  | 21.427 | 228  | 3560988  | 35.17 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.191 | 149  | 3702655  | 45.36 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.991 | 252  | 3432824  | 40.35 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.038 | 252  | 3242942  | 38.65 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.585 | 252  | 2854864  | 38.02 | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 26.021 | 276  | 3283745  | 34.91 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.032 | 278  | 2761762  | 35.12 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 26.738 | 276  | 2609831  | 33.96 | ng/ul  | 100      |

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

