

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081721\  
 Data File : BN015899.D  
 Acq On : 17 Aug 2021 14:25  
 Operator : CG/JU  
 Sample : PB138400BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS400

Manual Integrations  
 APPROVED

mohammad  
 8/19/2021 1:25:09 PM

Quant Time: Aug 17 16:08:35 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN081621MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 17 09:43:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.905  | 152  | 272093   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.710 | 136  | 1102258  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.551 | 164  | 695024   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.298 | 188  | 1426442  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.486 | 240  | 1400958  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.910 | 264  | 1392627  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.334  | 96   | 30868    | 4.419  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.740  | 84   | 440989   | 22.589 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.058  | 99   | 591649   | 24.039 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.228  | 67   | 360236   | 23.772 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.428  | 132  | 456499   | 26.066 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.604  | 113  | 480967   | 25.125 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.063  | 128  | 221432   | 27.294 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.787  | 143  | 223376   | 29.420 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.328 | 165  | 442762   | 26.948 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.846 | 131  | 607460   | 24.289 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.957 | 166  | 1344142  | 26.389 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.239 | 160  | 1729690  | 27.115 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.734 | 143  | 235054   | 26.091 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.545 | 176  | 1135213  | 25.550 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 200  | 206530   | 27.111 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.398 | 188  | 1819902  | 27.220 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.692 | 212  | 2052502  | 27.200 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.751 | 264  | 1985898  | 26.374 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.364  | 88   | 70654    | 9.839  | ng/uL  | 93       |
| 5) Pyridine                   | 3.758  | 79   | 472572   | 23.479 | ng/u1  | 96       |
| 6) Benzaldehyde               | 7.034  | 77   | 431127   | 34.044 | ng/u1  | 96       |
| 8) Phenol                     | 7.081  | 94   | 648688   | 25.854 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.322  | 93   | 503918   | 25.636 | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.463  | 128  | 498197   | 27.675 | ng/u1  | 99       |
| 13) 2-Methylphenol            | 8.340  | 108  | 481673   | 26.208 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.434  | 45   | 618066   | 24.621 | ng/u1  | 98       |
| 16) Acetophenone              | 8.728  | 105  | 796952   | 25.798 | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.716  | 70   | 414129   | 27.452 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.669  | 108  | 507175   | 25.784 | ng/u1  | 89       |
| 19) Hexachloroethane          | 8.987  | 117  | 219108   | 26.803 | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.104  | 77   | 632352   | 27.565 | ng/u1  | 100      |
| 23) Isophorone                | 9.634  | 82   | 1092841  | 27.383 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.822  | 139  | 260914   | 31.511 | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.881  | 107  | 597234   | 27.004 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.122 | 93   | 659693   | 26.911 | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.351 | 162  | 462648   | 28.559 | ng/u1  | 99       |
| 30) Naphthalene               | 10.763 | 128  | 1581820  | 26.795 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.869 | 127  | 615057   | 24.909 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.051 | 225  | 343562   | 27.602 | ng/u1  | 96       |
| 34) Caprolactam               | 11.622 | 113  | 138882m  | 27.363 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.993 | 107  | 551842   | 28.759 | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.375 | 142  | 1121286  | 27.313 | ng/u1  | 96       |

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| 37) 1-Methylnaphthalene       | 12.593 | 142  | 1102248  | 26.974 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.745 | 216  | 620829   | 27.611 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.728 | 237  | 380451   | 26.099 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.981 | 196  | 359837   | 29.268 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.045 | 196  | 396990   | 29.576 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.387 | 154  | 1437789  | 26.753 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.428 | 162  | 1108898  | 26.721 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.622 | 65   | 359351   | 30.560 | ng/ul  | 93       |
| 47) Dimethylphthalate         | 14.004 | 163  | 1410429  | 27.933 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.122 | 165  | 278446   | 30.451 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.269 | 152  | 1628808  | 26.861 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.445 | 138  | 280616   | 28.542 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.616 | 153  | 1177374  | 26.843 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.651 | 184  | 135096   | 26.589 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.745 | 109  | 252454   | 28.638 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.945 | 168  | 1672647  | 27.584 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.910 | 165  | 399732   | 30.350 | ng/ul# | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.175 | 232  | 335234   | 30.183 | ng/ul# | 94       |
| 59) Diethylphthalate          | 15.369 | 149  | 1463381  | 28.983 | ng/ul  | 99       |
| 61) Fluorene                  | 15.598 | 166  | 1370278  | 27.692 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.592 | 204  | 727058   | 28.177 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.610 | 138  | 303693   | 32.238 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.669 | 198  | 209716   | 27.679 | ng/ul  | 95       |
| 67) N-Nitrosodiphenylamine    | 15.804 | 169  | 1158602  | 27.828 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.486 | 248  | 432503   | 28.255 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.604 | 284  | 500681   | 27.990 | ng/ul  | 96       |
| 70) Atrazine                  | 16.757 | 200  | 414635   | 27.456 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.945 | 266  | 283222   | 28.223 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.339 | 178  | 2157026  | 27.816 | ng/ul  | 99       |
| 74) Anthracene                | 17.433 | 178  | 2191538  | 27.682 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.351 | 216  | 628230   | 27.961 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.869 | 250  | 601145   | 27.486 | ng/ul  | 95       |
| 77) Carbazole                 | 17.698 | 167  | 1914179  | 27.500 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.269 | 149  | 2327881  | 29.413 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.357 | 202  | 2542175  | 27.844 | ng/ul  | 99       |
| 82) Pyrene                    | 19.722 | 202  | 2624277  | 27.618 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.622 | 149  | 984598   | 30.813 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.404 | 252  | 902284   | 31.452 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.469 | 228  | 2515358  | 27.905 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.404 | 149  | 1535403  | 30.297 | ng/ul  | 98       |
| 87) Chrysene                  | 21.521 | 228  | 2436894  | 27.923 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 2524014  | 28.636 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.168 | 252  | 2544773  | 27.794 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.221 | 252  | 2548225  | 27.954 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.798 | 252  | 2272522  | 27.419 | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.427 | 276  | 2859246  | 27.823 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.445 | 278  | 2404677  | 28.344 | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 27.192 | 276  | 2364988  | 27.834 | ng/ul  | 98       |

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

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