

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042419\  
 Data File : BN005254.D  
 Acq On : 24 Apr 2019 17:33  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02073

Manual Integrations  
 APPROVED

Sohil  
 4/25/2019 5:34:44 PM

Quant Time: Apr 25 04:00:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 391119   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 1788175  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 1137763  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 2552544  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 1752221  | 20.00 | ng/ul | -0.02    |
| 85) Perylene-d12          | 23.40 | 264  | 1751417  | 20.00 | ng/ul | -0.04    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 57433   | 7.09  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.77  | 99  | 621468  | 20.23 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 365640  | 19.08 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 490675  | 20.87 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 515348  | 21.46 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 245491  | 22.31 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 272928  | 24.46 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 551146  | 21.55 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 564823  | 21.41 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.65 | 166 | 1669624 | 20.22 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 2053211 | 20.24 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.43 | 143 | 271047  | 20.78 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.23 | 176 | 1414581 | 20.41 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 203609  | 17.74 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.08 | 188 | 2159388 | 20.18 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.39 | 212 | 2093062 | 23.35 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 1537353 | 20.09 | ng/ul | -0.04 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 61867   | 7.101  | ng/uL 96  |
| 4) Benzaldehyde                | 6.75  | 77  | 432829  | 19.883 | ng/ul 97  |
| 6) Phenol                      | 6.80  | 94  | 647753  | 20.501 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 496761  | 19.635 | ng/ul 96  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 499570  | 20.555 | ng/ul 100 |
| 11) 2-Methylphenol             | 8.03  | 108 | 492818  | 20.815 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13  | 45  | 780124  | 18.365 | ng/ul 98  |
| 14) Acetophenone               | 8.40  | 105 | 819738  | 21.330 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.40  | 70  | 416932  | 20.282 | ng/ul 95  |
| 16) 4-Methylphenol             | 8.36  | 108 | 552566  | 21.610 | ng/ul 95  |
| 17) Hexachloroethane           | 8.66  | 117 | 196807  | 18.648 | ng/ul 97  |
| 20) Nitrobenzene               | 8.78  | 77  | 613727  | 20.262 | ng/ul 96  |
| 21) Isophorone                 | 9.30  | 82  | 1184615 | 19.753 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.48  | 139 | 296856  | 23.479 | ng/ul 100 |
| 24) 2,4-Dimethylphenol         | 9.55  | 107 | 636378  | 20.102 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.79  | 93  | 715663  | 18.989 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.01 | 162 | 542708  | 21.501 | ng/ul 99  |
| 28) Naphthalene                | 10.41 | 128 | 1658128 | 19.946 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 572408  | 21.306 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.70 | 225 | 351990  | 19.747 | ng/ul 98  |
| 32) Caprolactam                | 11.27 | 113 | 182288m | 23.869 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 615860  | 21.668 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.03 | 142 | 1250303 | 20.541 | ng/ul 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216  | 706584   | 20.067 | ng/ul | 96       |
| 37) Hexachlorocyclopentadiene  | 12.39 | 237  | 353614   | 14.730 | ng/ul | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.65 | 196  | 452702   | 21.322 | ng/ul | 95       |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 481933   | 21.123 | ng/ul | 97       |
| 40) 1,1'-Biphenyl              | 13.06 | 154  | 1667007  | 19.664 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.09 | 162  | 1300775  | 19.951 | ng/ul | 97       |
| 42) 2-Nitroaniline             | 13.30 | 65   | 403736   | 23.347 | ng/ul | 89       |
| 44) Dimethylphthalate          | 13.70 | 163  | 1649439  | 20.043 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.81 | 165  | 337253   | 23.734 | ng/ul | 95       |
| 47) Acenaphthylene             | 13.95 | 152  | 2024570  | 20.308 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.14 | 138  | 308086   | 23.321 | ng/ul | 94       |
| 49) Acenaphthene               | 14.29 | 153  | 1352159  | 19.868 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.35 | 184  | 145732   | 21.054 | ng/ul | 93       |
| 52) 4-Nitrophenol              | 14.45 | 109  | 229396   | 19.379 | ng/ul | 94       |
| 53) Dibenzofuran               | 14.63 | 168  | 2001265  | 20.424 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 488129   | 23.828 | ng/ul | 92       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 412357   | 21.726 | ng/ul | 95       |
| 56) Diethylphthalate           | 15.07 | 149  | 1694526  | 20.535 | ng/ul | 99       |
| 58) Fluorene                   | 15.29 | 166  | 1568730  | 20.517 | ng/ul | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.29 | 204  | 834471   | 20.573 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.30 | 138  | 360409   | 21.884 | ng/ul | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 210667   | 17.241 | ng/ul | 96       |
| 64) N-Nitrosodiphenylamine     | 15.50 | 169  | 1406457  | 20.132 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.19 | 248  | 522800   | 20.330 | ng/ul | 97       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 560223   | 20.459 | ng/ul | 95       |
| 67) Atrazine                   | 16.46 | 200  | 532125   | 20.460 | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.63 | 266  | 293779   | 18.323 | ng/ul | 98       |
| 69) Phenanthrene               | 17.03 | 178  | 2470102  | 19.870 | ng/ul | 100      |
| 71) Anthracene                 | 17.12 | 178  | 2515339  | 19.863 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.02 | 216  | 730274   | 19.587 | ng/ul | 98       |
| 73) Pentachlorobenzene         | 14.55 | 250  | 672384   | 20.038 | ng/ul | 100      |
| 74) Carbazole                  | 17.39 | 167  | 2141139  | 19.682 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 17.97 | 149  | 2872089  | 21.042 | ng/ul | 100      |
| 76) Fluoranthene               | 19.06 | 202  | 2643775  | 19.174 | ng/ul | 99       |
| 79) Pvrene                     | 19.42 | 202  | 2632366  | 23.332 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.36 | 149  | 1174817  | 26.301 | ng/ul | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 660142   | 18.857 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.19 | 228  | 2199375  | 20.177 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 1773899  | 25.791 | ng/ul | 99       |
| 84) Chrysene                   | 21.24 | 228  | 2021414  | 19.981 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 22.03 | 149  | 2715552  | 25.315 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 1943965  | 19.745 | ng/ul | 98       |
| 88) Benzo(k)fluoranthene       | 22.80 | 252  | 1886355  | 20.062 | ng/ul | 100      |
| 90) Benzo(a)pyrene             | 23.31 | 252  | 1855000  | 20.045 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.59 | 276  | 2064650  | 20.180 | ng/ul | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.60 | 278  | 1754275  | 20.204 | ng/ul | 97       |
| 93) Benzo(g,h,i)perylene       | 26.24 | 276  | 1692451  | 20.006 | ng/ul | 99       |

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

