

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005584.D  
 Acq On : 10 May 2019 02:19  
 Operator : JU/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02005

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:48 PM

Quant Time: May 10 04:21:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 383246   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1658078  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 1041367  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 2339670  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.22 | 240  | 1546995  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.42 | 264  | 1499235  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 45016   | 5.67  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 530954  | 17.64 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 294379  | 15.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 434867  | 18.88 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 436243  | 18.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 224459  | 21.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 257875  | 24.92 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 488673  | 20.61 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 547820  | 22.40 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 1408205 | 18.63 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 1773508 | 19.10 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 217351  | 18.21 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.23 | 176 | 1214095 | 19.14 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 150535  | 14.31 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.08 | 188 | 1811041 | 18.46 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.39 | 212 | 1735182 | 21.93 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.28 | 264 | 1228904 | 18.76 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.24  | 88  | 49104   | 5.752  | ng/uL 98  |
| 4) Benzaldehyde                | 6.75  | 77  | 356423  | 16.710 | ng/ul 96  |
| 6) Phenol                      | 6.80  | 94  | 535658  | 17.301 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 414708  | 16.728 | ng/ul 91  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 444387  | 18.660 | ng/ul 94  |
| 11) 2-Methylphenol             | 8.03  | 108 | 421666  | 18.175 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 579149  | 13.914 | ng/ul# 94 |
| 14) Acetophenone               | 8.40  | 105 | 707525  | 18.789 | ng/ul 94  |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 341622  | 16.960 | ng/ul# 89 |
| 16) 4-Methylphenol             | 8.36  | 108 | 459357  | 18.334 | ng/ul 99  |
| 17) Hexachloroethane           | 8.65  | 117 | 184886  | 17.878 | ng/ul 90  |
| 20) Nitrobenzene               | 8.78  | 77  | 508337  | 18.100 | ng/ul 91  |
| 21) Isophorone                 | 9.29  | 82  | 977723  | 17.582 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.48  | 139 | 260877  | 22.252 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.55  | 107 | 502414  | 17.115 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.78  | 93  | 584804  | 16.734 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.01 | 162 | 475908  | 20.334 | ng/ul 97  |
| 28) Naphthalene                | 10.40 | 128 | 1490697 | 19.339 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 553319  | 22.212 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.68 | 225 | 340144  | 20.580 | ng/ul 98  |
| 32) Caprolactam                | 11.28 | 113 | 152552m | 21.542 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 492722  | 18.696 | ng/ul 94  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 1090957 | 19.330 | ng/ul 100 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005584.D  
 Acq On : 10 May 2019 02:19  
 Operator : JU/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02005

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:48 PM

Quant Time: May 10 04:21:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216  | 644626   | 20.002 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 12.37 | 237  | 161237   | 7.338  | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.65 | 196  | 399569   | 20.561 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 424891   | 20.347 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.05 | 154  | 1426263  | 18.382 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.09 | 162  | 1127123  | 18.888 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.30 | 65   | 322618   | 20.383 | ng/ul  | 89       |
| 44) Dimethylphthalate          | 13.69 | 163  | 1382992  | 18.361 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.82 | 165  | 301076   | 23.149 | ng/ul# | 86       |
| 47) Acenaphthylene             | 13.95 | 152  | 1709494  | 18.735 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.14 | 138  | 269609   | 22.298 | ng/ul  | 90       |
| 49) Acenaphthene               | 14.29 | 153  | 1166731  | 18.730 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.37 | 184  | 67107    | 10.592 | ng/ul# | 88       |
| 52) 4-Nitrophenol              | 14.46 | 109  | 177213   | 16.356 | ng/ul  | 96       |
| 53) Dibenzofuran               | 14.63 | 168  | 1684958  | 18.787 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 14.62 | 165  | 419369   | 22.367 | ng/ul  | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 367639   | 21.162 | ng/ul# | 91       |
| 56) Diethylphthalate           | 15.07 | 149  | 1388454  | 18.383 | ng/ul  | 98       |
| 58) Fluorene                   | 15.28 | 166  | 1334523  | 19.069 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.28 | 204  | 714774   | 19.254 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.31 | 138  | 301962   | 20.032 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 198  | 153326   | 13.690 | ng/ul  | 92       |
| 64) N-Nitrosodiphenylamine     | 15.50 | 169  | 1170966  | 18.286 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.17 | 248  | 465111   | 19.733 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 504717   | 20.109 | ng/ul  | 93       |
| 67) Atrazine                   | 16.46 | 200  | 427105   | 17.916 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.64 | 266  | 254869   | 17.343 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.02 | 178  | 2101420  | 18.442 | ng/ul  | 99       |
| 71) Anthracene                 | 17.12 | 178  | 2112941  | 18.203 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216  | 654570   | 19.154 | ng/ul  | 97       |
| 73) Pentachlorobenzene         | 14.55 | 250  | 601305   | 19.550 | ng/ul  | 99       |
| 74) Carbazole                  | 17.39 | 167  | 1820707  | 18.260 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 17.96 | 149  | 2352436  | 18.803 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.06 | 202  | 2230890  | 17.651 | ng/ul# | 95       |
| 79) Pvrene                     | 19.42 | 202  | 2146885  | 21.554 | ng/ul  | 96       |
| 80) Butylbenzylphthalate       | 20.35 | 149  | 924632   | 23.446 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 577746   | 18.692 | ng/ul# | 97       |
| 82) Benzo(a)anthracene         | 21.20 | 228  | 1723364  | 17.907 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 1324036  | 21.804 | ng/ul# | 97       |
| 84) Chrysene                   | 21.25 | 228  | 1631998  | 18.272 | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.02 | 149  | 2000934  | 21.791 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 1547317  | 18.360 | ng/ul# | 97       |
| 88) Benzo(k)fluoranthene       | 22.81 | 252  | 1492391m | 18.542 | ng/ul  |          |
| 90) Benzo(a)pyrene             | 23.32 | 252  | 1464352  | 18.486 | ng/ul# | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.61 | 276  | 1703451  | 19.450 | ng/ul# | 94       |
| 92) Dibenzo(a,h)anthracene     | 25.62 | 278  | 1446881  | 19.466 | ng/ul# | 96       |
| 93) Benzo(g,h,i)perylene       | 26.28 | 276  | 1411961  | 19.497 | ng/ul# | 94       |

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

