

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061919\  
 Data File : BN006397.D  
 Acq On : 19 Jun 2019 15:24  
 Operator : JU/SJ  
 Sample : SSTD04010  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD04010

Manual Integrations  
 APPROVED

mohammad  
 6/21/2019 9:59:36 PM

Quant Time: Jun 19 16:09:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 19 15:21:48 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 178970   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.41 | 136  | 874932   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.29 | 164  | 552453   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.04 | 188  | 1259406  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 1233320  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.49 | 264  | 1480234  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 72486   | 17.55 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 784790  | 54.88 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 482998  | 59.07 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 581393  | 50.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 626849  | 56.58 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 300030  | 48.05 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 333217  | 48.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.04 | 165 | 618482  | 49.38 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 772669  | 51.66 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.70 | 166 | 1970000 | 50.27 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.97 | 160 | 2416766 | 47.64 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 355780  | 51.40 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.28 | 176 | 1659490 | 50.12 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 343058  | 48.68 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.14 | 188 | 2581157 | 48.03 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.45 | 212 | 2866570 | 48.10 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264 | 3383694 | 51.33 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 75887   | 17.773 | ng/uL 97  |
| 4) Benzaldehyde                | 6.78  | 77  | 357651  | 36.851 | ng/ul 99  |
| 6) Phenol                      | 6.83  | 94  | 758268  | 51.883 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.06  | 93  | 579449  | 51.088 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.19  | 128 | 551576  | 47.018 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.08  | 108 | 577814  | 52.693 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.16  | 45  | 912536  | 60.204 | ng/ul 99  |
| 14) Acetophenone               | 8.45  | 105 | 921836  | 54.997 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.43  | 70  | 501485  | 56.458 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.40  | 108 | 643411  | 54.613 | ng/ul 98  |
| 17) Hexachloroethane           | 8.69  | 117 | 219593  | 44.512 | ng/ul 98  |
| 20) Nitrobenzene               | 8.83  | 77  | 701076  | 47.464 | ng/ul 98  |
| 21) Isophorone                 | 9.35  | 82  | 1450862 | 50.971 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.53  | 139 | 332142  | 45.392 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.60  | 107 | 703967  | 47.382 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 871486  | 49.738 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 565681  | 46.352 | ng/ul 99  |
| 28) Naphthalene                | 10.46 | 128 | 1843613 | 44.681 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.57 | 127 | 723703  | 48.258 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.74 | 225 | 312003  | 39.990 | ng/ul 97  |
| 32) Caprolactam                | 11.35 | 113 | 223337m | 54.593 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.72 | 107 | 685443  | 51.605 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.08 | 142 | 1355367 | 47.122 | ng/ul 99  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216  | 658437   | 39.815 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.43 | 237  | 294971   | 31.233 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.70 | 196  | 448847   | 42.417 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.78 | 196  | 471957   | 41.820 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.11 | 154  | 1759651  | 42.403 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.15 | 162  | 1369865  | 42.696 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.37 | 65   | 473981   | 50.843 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 13.75 | 163  | 1816719  | 46.735 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.87 | 165  | 386428   | 48.958 | ng/ul  | 97       |
| 47) Acenaphthylene             | 14.00 | 152  | 2124706  | 42.653 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.20 | 138  | 392502   | 50.871 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.35 | 153  | 1497557  | 44.678 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.42 | 184  | 176427   | 42.184 | ng/ul  | 95       |
| 52) 4-Nitrophenol              | 14.53 | 109  | 252824   | 48.180 | ng/ul  | 97       |
| 53) Dibenzofuran               | 14.69 | 168  | 2079927  | 43.974 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.67 | 165  | 554770   | 50.066 | ng/ul  | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 421758   | 45.354 | ng/ul  | 99       |
| 56) Diethylphthalate           | 15.12 | 149  | 1849383  | 47.505 | ng/ul  | 100      |
| 58) Fluorene                   | 15.34 | 166  | 1673735  | 45.200 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204  | 823948   | 44.632 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.37 | 138  | 421077   | 46.604 | ng/ul  | 100      |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 335409   | 45.860 | ng/ul  | 97       |
| 64) N-Nitrosodiphenylamine     | 15.55 | 169  | 1531913  | 43.742 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.23 | 248  | 527858   | 42.674 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.35 | 284  | 583242   | 42.934 | ng/ul  | 99       |
| 67) Atrazine                   | 16.52 | 200  | 564485   | 44.928 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.70 | 266  | 299638   | 38.788 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.08 | 178  | 2780879  | 45.025 | ng/ul  | 100      |
| 71) Anthracene                 | 17.17 | 178  | 2840273  | 45.000 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216  | 671340   | 37.093 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.61 | 250  | 673401   | 41.663 | ng/uL  | 99       |
| 74) Carbazole                  | 17.45 | 167  | 2625774  | 46.572 | ng/ul  | 100      |
| 75) Di-n-butylphthalate        | 18.02 | 149  | 3305406  | 46.090 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.11 | 202  | 3273761  | 47.295 | ng/ul  | 98       |
| 79) Pvrene                     | 19.48 | 202  | 3309091  | 43.643 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 1605329  | 45.239 | ng/ul  | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.18 | 252  | 1166510  | 45.254 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.25 | 228  | 3364773  | 44.376 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 2263159  | 44.172 | ng/ul# | 98       |
| 84) Chrysene                   | 21.30 | 228  | 3163024  | 43.523 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.05 | 149  | 4202654  | 47.056 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.82 | 252  | 3559607  | 45.111 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.87 | 252  | 3372271  | 43.657 | ng/ul  | 100      |
| 90) Benzo(a)pyrene             | 23.40 | 252  | 3435418  | 45.033 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.73 | 276  | 4144975  | 44.566 | ng/ul  | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.74 | 278  | 3431931  | 43.754 | ng/ul  | 100      |
| 93) Benzo(g,h,i)perylene       | 26.42 | 276  | 3494203  | 44.197 | ng/ul  | 99       |

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

