

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022317\  
 Data File : BM009008.D  
 Acq On : 23 Feb 2017 16:14  
 Operator : SJ/MA  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV54

Manual Integrations  
 APPROVED

mohammad  
 2/23/2017 4:58:41 PM

Quant Time: Feb 23 16:58:53 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM022317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Feb 23 16:19:54 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 203316   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.70 | 136  | 817950   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.54 | 164  | 568563   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.29 | 188  | 1193625  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.46 | 240  | 1433339  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.80 | 264  | 1332841  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.36  | 96  | 40821   | 8.06  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.05  | 99  | 376024  | 20.40 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.23  | 67  | 273089  | 20.69 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.43  | 132 | 259505  | 21.13 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.60  | 113 | 276534  | 20.44 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.07  | 128 | 122648  | 20.96 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.79  | 143 | 133090  | 21.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.32 | 165 | 273686  | 20.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.84 | 131 | 312559  | 22.36 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.94 | 166 | 797256  | 20.83 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.23 | 160 | 997024  | 21.21 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.73 | 143 | 134516  | 20.12 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.53 | 176 | 741712  | 20.75 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 141522  | 19.70 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.39 | 188 | 1145903 | 20.28 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.67 | 212 | 1316838 | 21.08 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.65 | 264 | 1242612 | 20.53 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.39  | 88  | 47231  | 7.98  | ng/uL# 75 |
| 4) Benzaldehyde                | 7.05  | 77  | 314100 | 22.67 | ng/ul 85  |
| 6) Phenol                      | 7.08  | 94  | 392230 | 20.17 | ng/ul# 70 |
| 8) Bis(2-Chloroethyl)ether     | 7.32  | 93  | 308335 | 20.21 | ng/ul 86  |
| 10) 2-Chlorophenol             | 7.46  | 128 | 264535 | 20.68 | ng/ul# 80 |
| 11) 2-Methylphenol             | 8.33  | 108 | 271913 | 20.17 | ng/ul 95  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.43  | 45  | 515579 | 20.50 | ng/ul 95  |
| 14) Acetophenone               | 8.73  | 105 | 473136 | 20.19 | ng/ul# 74 |
| 15) N-Nitroso-di-n-propylamine | 8.70  | 70  | 283750 | 19.75 | ng/ul# 82 |
| 16) 4-Methylphenol             | 8.66  | 108 | 295074 | 20.14 | ng/ul 99  |
| 17) Hexachloroethane           | 8.98  | 117 | 126344 | 20.39 | ng/ul# 78 |
| 20) Nitrobenzene               | 9.11  | 77  | 418198 | 20.22 | ng/ul# 88 |
| 21) Isophorone                 | 9.63  | 82  | 703959 | 20.46 | ng/ul 94  |
| 23) 2-Nitrophenol              | 9.82  | 139 | 143408 | 21.09 | ng/ul# 59 |
| 24) 2,4-Dimethylphenol         | 9.86  | 107 | 349677 | 19.89 | ng/ul 86  |
| 25) Bis(2-Chloroethoxy)methane | 10.11 | 93  | 403082 | 20.36 | ng/ul 97  |
| 27) 2,4-Dichlorophenol         | 10.35 | 162 | 271903 | 20.92 | ng/ul# 90 |
| 28) Naphthalene                | 10.75 | 128 | 829505 | 20.23 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.86 | 127 | 327210 | 22.12 | ng/ul 96  |
| 31) Hexachlorobutadiene        | 11.02 | 225 | 213806 | 19.69 | ng/ul 99  |
| 32) Caprolactam                | 11.64 | 113 | 76407m | 19.61 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.97 | 107 | 306027 | 20.10 | ng/ul 93  |
| 34) 2-Methylnaphthalene        | 12.36 | 142 | 614200 | 20.05 | ng/ul 98  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022317\  
 Data File : BM009008.D  
 Acq On : 23 Feb 2017 16:14  
 Operator : SJ/MA  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV54

Manual Integrations  
 APPROVED

mohammad  
 2/23/2017 4:58:41 PM

Quant Time: Feb 23 16:58:53 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM022317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Feb 23 16:19:54 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.73 | 216  | 386450   | 20.90 | ng/ul# | 94       |
| 37) Hexachlorocyclopentadiene  | 12.70 | 237  | 243048   | 20.40 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.96 | 196  | 224731   | 21.29 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 13.03 | 196  | 255142   | 22.16 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.37 | 154  | 827850   | 21.11 | ng/ul  | 95       |
| 41) 2-Chloronaphthalene        | 13.42 | 162  | 643199   | 21.05 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.63 | 65   | 248222   | 21.32 | ng/ul# | 84       |
| 44) Dimethylphthalate          | 13.99 | 163  | 796033   | 20.78 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.12 | 165  | 160809   | 22.03 | ng/ul# | 73       |
| 47) Acenaphthylene             | 14.26 | 152  | 974057   | 21.15 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.45 | 138  | 154930   | 21.63 | ng/ul# | 80       |
| 49) Acenaphthene               | 14.60 | 153  | 678629   | 20.62 | ng/ul  | 96       |
| 50) 2,4-Dinitrophenol          | 14.65 | 184  | 87807    | 18.57 | ng/ul# | 75       |
| 52) 4-Nitrophenol              | 14.74 | 109  | 175511   | 20.50 | ng/ul# | 77       |
| 53) Dibenzofuran               | 14.94 | 168  | 1004936  | 20.85 | ng/ul  | 91       |
| 54) 2,4-Dinitrotoluene         | 14.90 | 165  | 226018   | 20.97 | ng/ul# | 70       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.16 | 232  | 221448   | 20.79 | ng/ul# | 91       |
| 56) Diethylphthalate           | 15.36 | 149  | 824741   | 21.03 | ng/ul  | 98       |
| 58) Fluorene                   | 15.59 | 166  | 826209   | 20.59 | ng/ul  | 96       |
| 59) 4-Chlorophenyl-phenylether | 15.58 | 204  | 451547   | 20.80 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.61 | 138  | 171431   | 21.50 | ng/ul# | 40       |
| 63) 4,6-Dinitro-2-methylphenol | 15.66 | 198  | 154900   | 20.53 | ng/ul# | 78       |
| 64) N-Nitrosodiphenylamine     | 15.79 | 169  | 712441   | 20.45 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.47 | 248  | 279089   | 20.50 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.59 | 284  | 305361   | 20.46 | ng/ul  | 92       |
| 67) Atrazine                   | 16.74 | 200  | 272896   | 19.94 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.93 | 266  | 180506   | 19.53 | ng/ul  | 92       |
| 69) Phenanthrene               | 17.33 | 178  | 1336187  | 20.25 | ng/ul  | 100      |
| 71) Anthracene                 | 17.42 | 178  | 1365669  | 20.29 | ng/ul  | 97       |
| 72) Carbazole                  | 17.69 | 167  | 1194469  | 20.05 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.24 | 149  | 1367821  | 20.27 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.34 | 202  | 1609924  | 20.18 | ng/ul# | 96       |
| 77) Pyrene                     | 19.70 | 202  | 1712213  | 21.39 | ng/ul# | 94       |
| 78) Butylbenzylphthalate       | 20.59 | 149  | 613444   | 21.30 | ng/ul  | 90       |
| 79) 3,3'-Dichlorobenzidine     | 21.37 | 252  | 590551   | 21.52 | ng/ul  | 99       |
| 80) Benzo(a)anthracene         | 21.44 | 228  | 1708920  | 20.90 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 886268   | 21.22 | ng/ul  | 95       |
| 82) Chrysene                   | 21.49 | 228  | 1609723  | 20.71 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.26 | 149  | 1534365  | 19.99 | ng/ul# | 90       |
| 85) Benzo(b)fluoranthene       | 23.09 | 252  | 1696776  | 21.17 | ng/ul# | 95       |
| 86) Benzo(k)fluoranthene       | 23.14 | 252  | 1552088  | 20.57 | ng/ul# | 99       |
| 88) Benzo(a)pyrene             | 23.70 | 252  | 1571169  | 20.66 | ng/ul# | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.20 | 276  | 1738769  | 20.14 | ng/ul# | 91       |
| 90) Dibenzo(a,h)anthracene     | 26.21 | 278  | 1471192  | 20.00 | ng/ul# | 96       |
| 91) Benzo(g,h,i)perylene       | 26.94 | 276  | 1435659  | 20.09 | ng/ul# | 93       |
| -----                          |       |      |          |       |        |          |

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

