

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
 Data File : BM024792.D  
 Acq On : 08 Feb 2020 10:16  
 Operator : CG/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 71 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTDC0020

Manual Integrations  
 APPROVED

mohammad  
 2/11/2020 8:22:35 AM

Quant Time: Feb 10 00:27:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 07 07:38:13 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 301341   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.16 | 136  | 1185954  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.06 | 164  | 805543   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.81 | 188  | 1723402  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.02 | 240  | 1598739  | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.13 | 264  | 1711940  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.01  | 96  | 45865   | 7.32  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.60  | 99  | 403692  | 20.17 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.76  | 67  | 233537  | 20.66 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 6.95  | 132 | 366733  | 20.45 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.12  | 113 | 340492  | 20.16 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.54  | 128 | 174969  | 20.40 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.26  | 143 | 208230  | 20.55 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.79  | 165 | 410821  | 20.10 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.30 | 131 | 374391  | 19.58 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.48 | 166 | 1180115 | 19.41 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.74 | 160 | 1409384 | 19.85 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.28 | 143 | 188828  | 19.11 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.06 | 176 | 1030660 | 19.14 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.19 | 200 | 206106  | 18.35 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 16.91 | 188 | 1559807 | 19.83 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.22 | 212 | 1706447 | 21.34 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 22.99 | 264 | 1715099 | 19.95 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.05  | 88  | 48464   | 7.336  | ng/uL 97  |
| 4) Benzaldehyde                | 6.56  | 77  | 270012  | 20.508 | ng/ul 94  |
| 6) Phenol                      | 6.63  | 94  | 419777  | 19.922 | ng/ul 95  |
| 8) Bis(2-Chloroethyl)ether     | 6.85  | 93  | 353044  | 20.750 | ng/ul 97  |
| 10) 2-Chlorophenol             | 6.97  | 128 | 372952  | 20.396 | ng/ul 100 |
| 11) 2-Methylphenol             | 7.86  | 108 | 331709  | 20.282 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 7.93  | 45  | 289953  | 21.670 | ng/ul 96  |
| 14) Acetophenone               | 8.22  | 105 | 538542  | 20.232 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.22  | 70  | 262163  | 20.838 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.18  | 108 | 354912  | 20.099 | ng/ul 100 |
| 17) Hexachloroethane           | 8.46  | 117 | 166755  | 20.225 | ng/ul 92  |
| 20) Nitrobenzene               | 8.58  | 77  | 404340  | 19.858 | ng/ul 100 |
| 21) Isophorone                 | 9.12  | 82  | 756281  | 20.482 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.29  | 139 | 227374  | 20.848 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.37  | 107 | 403971  | 19.826 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.60  | 93  | 482349  | 20.826 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 9.82  | 162 | 400695  | 19.848 | ng/ul 98  |
| 28) Naphthalene                | 10.21 | 128 | 1218729 | 20.113 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.33 | 127 | 375061  | 19.652 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.52 | 225 | 320019  | 19.084 | ng/ul 97  |
| 32) Caprolactam                | 11.09 | 113 | 105537m | 19.943 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.47 | 107 | 372084  | 19.864 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 11.83 | 142 | 889590  | 19.930 | ng/ul 98  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
 Data File : BM024792.D  
 Acq On : 08 Feb 2020 10:16  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 71 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02006

Manual Integrations  
 APPROVED

mohammad  
 2/11/2020 8:22:35 AM

Quant Time: Feb 10 00:27:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 07 07:38:13 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.06 | 142  | 877261   | 19.707 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.22 | 216  | 568646   | 19.962 | ng/ul | 98       |
| 38) Hexachlorocyclopentadiene  | 12.21 | 237  | 339563   | 16.904 | ng/ul | 96       |
| 39) 2,4,6-Trichlorophenol      | 12.47 | 196  | 359595   | 20.509 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.54 | 196  | 372414   | 20.321 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 12.88 | 154  | 1182443  | 19.884 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 12.91 | 162  | 973656   | 20.053 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.13 | 65   | 209347   | 20.448 | ng/ul | 97       |
| 45) Dimethylphthalate          | 13.53 | 163  | 1218607  | 19.211 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.64 | 165  | 254221   | 19.820 | ng/ul | 99       |
| 48) Acenaphthylene             | 13.77 | 152  | 1459153  | 19.838 | ng/ul | 100      |
| 49) 3-Nitroaniline             | 13.96 | 138  | 191616   | 19.833 | ng/ul | 95       |
| 50) Acenaphthene               | 14.12 | 153  | 978287   | 19.694 | ng/ul | 97       |
| 51) 2,4-Dinitrophenol          | 14.18 | 184  | 134740   | 17.243 | ng/ul | 92       |
| 53) 4-Nitrophenol              | 14.30 | 109  | 141411   | 17.524 | ng/ul | 92       |
| 54) Dibenzofuran               | 14.46 | 168  | 1415242  | 19.113 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.44 | 165  | 364035   | 19.886 | ng/ul | 96       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.70 | 232  | 350129   | 19.552 | ng/ul | 98       |
| 57) Diethylphthalate           | 14.92 | 149  | 1189034  | 18.945 | ng/ul | 99       |
| 59) Fluorene                   | 15.12 | 166  | 1165454  | 19.098 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.12 | 204  | 660639   | 18.802 | ng/ul | 98       |
| 61) 4-Nitroaniline             | 15.14 | 138  | 231686   | 19.364 | ng/ul | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 15.21 | 198  | 225647   | 18.766 | ng/ul | 95       |
| 65) N-Nitrosodiphenylamine     | 15.34 | 169  | 994567   | 20.660 | ng/ul | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.02 | 248  | 443277   | 20.527 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.13 | 284  | 517115   | 20.262 | ng/ul | 99       |
| 68) Atrazine                   | 16.30 | 200  | 403128   | 19.489 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.47 | 266  | 294380   | 19.277 | ng/ul | 98       |
| 70) Phenanthrene               | 16.85 | 178  | 1862256  | 19.818 | ng/ul | 99       |
| 72) Anthracene                 | 16.94 | 178  | 1892714  | 19.861 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.84 | 216  | 599759   | 21.194 | ng/uL | 98       |
| 74) Pentachlorobenzene         | 14.39 | 250  | 630000   | 20.978 | ng/uL | 99       |
| 75) Carbazole                  | 17.22 | 167  | 1546489  | 19.479 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 17.82 | 149  | 2064300  | 20.435 | ng/ul | 100      |
| 77) Fluoranthene               | 18.88 | 202  | 2221283  | 19.256 | ng/ul | 99       |
| 80) Pvrene                     | 19.24 | 202  | 2277578  | 21.522 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.19 | 149  | 904534   | 22.851 | ng/ul | 99       |
| 82) 3,3'-Dichlorobenzidine     | 20.95 | 252  | 752406   | 20.133 | ng/ul | 97       |
| 83) Benzo(a)anthracene         | 21.01 | 228  | 2149817  | 19.963 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 20.98 | 149  | 1378278  | 21.998 | ng/ul | 99       |
| 85) Chrysene                   | 21.06 | 228  | 2076528  | 19.586 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 21.83 | 149  | 2254480  | 22.037 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.51 | 252  | 2109066  | 19.374 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.55 | 252  | 2151072  | 20.530 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.03 | 252  | 1927072  | 19.745 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.18 | 276  | 2374909  | 19.546 | ng/ul | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.19 | 278  | 2023440  | 19.546 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 25.80 | 276  | 2003182  | 19.823 | ng/ul | 99       |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\  
Data File : BM024792.D  
Acq On : 08 Feb 2020 10:16  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 71 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02006

Manual Integrations  
APPROVED

mohammad  
2/11/2020 8:22:35 AM

Quant Time: Feb 10 00:27:00 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 07 07:38:13 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

