

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090320\  
 Data File : BM027309.D  
 Acq On : 03 Sep 2020 09:12  
 Operator : JU/CG  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02009

Manual Integrations  
 APPROVED

mohammad  
 9/4/2020 1:56:24 PM

Quant Time: Sep 03 09:58:26 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 03 09:55:00 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 98372    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 401863   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.22 | 164  | 327680   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.96 | 188  | 820525   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.17 | 240  | 1008663  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.34 | 264  | 1007929  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 19245   | 11.08 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.76  | 99  | 140387  | 17.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 97933   | 18.98 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 114987  | 18.71 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 114585  | 17.89 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 57257   | 17.78 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 66010   | 17.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 141765  | 18.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.48 | 131 | 162449  | 19.90 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.63 | 166 | 489005  | 18.81 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.90 | 160 | 576336  | 18.75 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.43 | 143 | 80622   | 18.38 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.22 | 176 | 452033  | 20.15 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 88365   | 16.51 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.06 | 188 | 751360  | 19.29 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.36 | 212 | 908246  | 15.61 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.20 | 264 | 1049956 | 18.69 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 19707  | 9.637  | ng/uL 100 |
| 4) Benzaldehyde                | 6.72  | 77  | 107946 | 19.211 | ng/ul 94  |
| 6) Phenol                      | 6.79  | 94  | 156855 | 18.807 | ng/ul# 88 |
| 8) Bis(2-Chloroethyl)ether     | 7.01  | 93  | 123247 | 18.380 | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.15  | 128 | 121186 | 19.314 | ng/ul 95  |
| 11) 2-Methylphenol             | 8.02  | 108 | 112933 | 18.210 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.11  | 45  | 90823  | 17.494 | ng/ul# 91 |
| 14) Acetophenone               | 8.39  | 105 | 215773 | 21.031 | ng/ul 95  |
| 15) N-Nitroso-di-n-propylamine | 8.38  | 70  | 126813 | 20.528 | ng/ul 95  |
| 16) 4-Methylphenol             | 8.35  | 108 | 128377 | 19.305 | ng/ul 99  |
| 17) Hexachloroethane           | 8.65  | 117 | 63577  | 21.496 | ng/ul 99  |
| 20) Nitrobenzene               | 8.76  | 77  | 193499 | 20.092 | ng/ul 96  |
| 21) Isophorone                 | 9.29  | 82  | 314184 | 18.102 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.47  | 139 | 73981  | 18.741 | ng/ul# 89 |
| 24) 2,4-Dimethylphenol         | 9.54  | 107 | 166969 | 20.103 | ng/ul 94  |
| 25) Bis(2-Chloroethoxy)methane | 9.77  | 93  | 181543 | 18.254 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 145571 | 19.790 | ng/ul 100 |
| 28) Naphthalene                | 10.39 | 128 | 413763 | 19.333 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.50 | 127 | 170401 | 20.839 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.69 | 225 | 118059 | 21.358 | ng/ul 99  |
| 32) Caprolactam                | 11.27 | 113 | 37911m | 17.194 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 150086 | 19.515 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 327070 | 20.118 | ng/ul 99  |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02009

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 03 09:55:00 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.24 | 142  | 310345   | 19.558 | ng/ul  | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 216508   | 18.479 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.38 | 237  | 138844   | 17.521 | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.64 | 196  | 133814   | 17.940 | ng/ul  | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.71 | 196  | 145685   | 18.379 | ng/ul  | 99       |
| 41) 1,1'-Biphenyl              | 13.05 | 154  | 468878   | 18.233 | ng/ul  | 98       |
| 42) 2-Chloronaphthalene        | 13.08 | 162  | 378930   | 18.318 | ng/ul  | 100      |
| 43) 2-Nitroaniline             | 13.29 | 65   | 120445   | 19.319 | ng/ul  | 94       |
| 45) Dimethylphthalate          | 13.68 | 163  | 510974   | 18.936 | ng/ul  | 100      |
| 46) 2,6-Dinitrotoluene         | 13.79 | 165  | 102123   | 18.365 | ng/ul# | 85       |
| 48) Acenaphthylene             | 13.93 | 152  | 575255   | 18.719 | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 14.12 | 138  | 90870    | 19.167 | ng/ul  | 89       |
| 50) Acenaphthene               | 14.28 | 153  | 414897   | 19.270 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.33 | 184  | 55981    | 17.531 | ng/ul  | 89       |
| 53) 4-Nitrophenol              | 14.44 | 109  | 98490    | 23.691 | ng/ul  | 86       |
| 54) Dibenzofuran               | 14.62 | 168  | 623562   | 20.175 | ng/ul  | 95       |
| 55) 2,4-Dinitrotoluene         | 14.59 | 165  | 159559   | 20.153 | ng/ul  | 96       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 143173   | 20.170 | ng/ul  | 98       |
| 57) Diethylphthalate           | 15.06 | 149  | 553848   | 20.590 | ng/ul  | 99       |
| 59) Fluorene                   | 15.27 | 166  | 533738   | 20.364 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.27 | 204  | 291403   | 20.347 | ng/ul  | 96       |
| 61) 4-Nitroaniline             | 15.29 | 138  | 98706m   | 18.820 | ng/ul  |          |
| 64) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 92804    | 15.973 | ng/ul  | 98       |
| 65) N-Nitrosodiphenylamine     | 15.49 | 169  | 463951   | 18.777 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 190982   | 18.566 | ng/ul  | 97       |
| 67) Hexachlorobenzene          | 16.28 | 284  | 224509   | 19.118 | ng/ul  | 99       |
| 68) Atrazine                   | 16.44 | 200  | 186559   | 18.398 | ng/ul  | 99       |
| 69) Pentachlorophenol          | 16.62 | 266  | 124977   | 18.123 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.00 | 178  | 906937   | 19.366 | ng/ul  | 99       |
| 72) Anthracene                 | 17.10 | 178  | 928995   | 19.474 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216  | 220734   | 17.323 | ng/uL  | 97       |
| 74) Pentachlorobenzene         | 14.55 | 250  | 233944   | 17.778 | ng/uL  | 99       |
| 75) Carbazole                  | 17.37 | 167  | 803398   | 20.429 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 17.95 | 149  | 1013283  | 20.135 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.03 | 202  | 1144482  | 20.399 | ng/ul  | 100      |
| 80) Pvrene                     | 19.39 | 202  | 1215672  | 15.624 | ng/ul  | 98       |
| 81) Butylbenzylphthalate       | 20.32 | 149  | 466892   | 15.875 | ng/ul  | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.09 | 252  | 416976   | 17.745 | ng/ul  | 100      |
| 83) Benzo(a)anthracene         | 21.15 | 228  | 1269106  | 18.975 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.11 | 149  | 715428   | 17.198 | ng/ul  | 99       |
| 85) Chrysene                   | 21.20 | 228  | 1239941  | 19.364 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 21.97 | 149  | 1214386  | 15.465 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.69 | 252  | 1354670  | 18.853 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.73 | 252  | 1270181  | 18.345 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.24 | 252  | 1158024  | 18.364 | ng/ul  | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 1360979  | 18.735 | ng/ul  | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.51 | 278  | 1150026  | 18.659 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.16 | 276  | 1104306  | 18.591 | ng/ul  | 98       |

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Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

