

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\  
 Data File : BM027081.D  
 Acq On : 14 Aug 2020 09:37  
 Operator : JU/CG  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02021

Quant Time: Aug 14 10:10:20 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM080720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 11:47:07 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 126498   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.41 | 136  | 465034   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 293120   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.02 | 188  | 638864   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.22 | 240  | 678862   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.42 | 264  | 667203   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 24621  | 8.85  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 201938 | 20.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 137065 | 20.34 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 160153 | 20.64 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 157642 | 20.56 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 75890  | 20.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 81632  | 21.37 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 169781 | 21.15 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 190055 | 20.37 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 463442 | 19.83 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 570135 | 20.47 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.47 | 143 | 81467  | 20.65 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.27 | 176 | 408534 | 20.05 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 62350  | 17.87 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.12 | 188 | 623558 | 19.81 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.42 | 212 | 708807 | 20.93 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.28 | 264 | 764565 | 20.53 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.23  | 88  | 27447  | 7.756  | ng/uL 92  |
| 4) Benzaldehyde                | 6.79  | 77  | 151756 | 15.871 | ng/ul 99  |
| 6) Phenol                      | 6.85  | 94  | 216674 | 20.892 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 173814 | 20.305 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.21  | 128 | 171356 | 21.134 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.08  | 108 | 157555 | 20.914 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.17  | 45  | 138206 | 21.193 | ng/ul 99  |
| 14) Acetophenone               | 8.45  | 105 | 263170 | 20.420 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.45  | 70  | 156367 | 20.914 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.40  | 108 | 168788 | 20.849 | ng/ul 97  |
| 17) Hexachloroethane           | 8.71  | 117 | 74089  | 18.268 | ng/ul 99  |
| 20) Nitrobenzene               | 8.82  | 77  | 235198 | 19.545 | ng/ul 98  |
| 21) Isophorone                 | 9.35  | 82  | 382531 | 20.034 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.53  | 139 | 91285  | 21.544 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.60  | 107 | 199168 | 20.608 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 221002 | 20.429 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 170295 | 21.098 | ng/ul 99  |
| 28) Naphthalene                | 10.46 | 128 | 516940 | 19.999 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.57 | 127 | 199192 | 21.190 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.76 | 225 | 130544 | 19.183 | ng/ul 97  |
| 32) Caprolactam                | 11.33 | 113 | 44281  | 19.735 | ng/ul 94  |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 169013 | 19.815 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.08 | 142 | 378288 | 19.956 | ng/ul 97  |

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 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02021

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 11:47:07 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.30 | 142  | 350120   | 18.761 | ng/ul  | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216  | 227886   | 21.010 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.45 | 237  | 103696   | 14.499 | ng/ul  | 97       |
| 39) 2,4,6-Trichlorophenol      | 12.70 | 196  | 138686   | 21.753 | ng/ul  | 94       |
| 40) 2,4,5-Trichlorophenol      | 12.77 | 196  | 151218   | 22.287 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl              | 13.10 | 154  | 498331   | 20.804 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 13.14 | 162  | 402716   | 20.736 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.34 | 65   | 121683   | 21.630 | ng/ul  | 95       |
| 45) Dimethylphthalate          | 13.74 | 163  | 485235   | 19.809 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.85 | 165  | 96807    | 20.756 | ng/ul  | 97       |
| 48) Acenaphthylene             | 13.99 | 152  | 579039   | 20.448 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.17 | 138  | 93959    | 22.669 | ng/ul  | 94       |
| 50) Acenaphthene               | 14.34 | 153  | 404392   | 20.150 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.38 | 184  | 42501    | 17.534 | ng/ul  | 96       |
| 53) 4-Nitrophenol              | 14.49 | 109  | 80129    | 19.071 | ng/ul  | 91       |
| 54) Dibenzofuran               | 14.67 | 168  | 579603   | 20.181 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 14.64 | 165  | 141303   | 20.862 | ng/ul# | 87       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 128412   | 20.999 | ng/ul  | 98       |
| 57) Diethylphthalate           | 15.11 | 149  | 484941   | 19.737 | ng/ul  | 99       |
| 59) Fluorene                   | 15.33 | 166  | 482026   | 20.056 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 256606   | 19.591 | ng/ul  | 97       |
| 61) 4-Nitroaniline             | 15.34 | 138  | 102105   | 21.567 | ng/ul  | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 66171    | 17.136 | ng/ul  | 98       |
| 65) N-Nitrosodiphenylamine     | 15.54 | 169  | 407310   | 21.280 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 161039   | 20.153 | ng/ul  | 98       |
| 67) Hexachlorobenzene          | 16.33 | 284  | 185208   | 19.763 | ng/ul  | 99       |
| 68) Atrazine                   | 16.49 | 200  | 148741   | 19.166 | ng/ul  | 99       |
| 69) Pentachlorophenol          | 16.67 | 266  | 106584   | 20.524 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.06 | 178  | 752242   | 19.640 | ng/ul  | 99       |
| 72) Anthracene                 | 17.15 | 178  | 761134   | 19.531 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216  | 224040   | 22.422 | ng/ul  | 99       |
| 74) Pentachlorobenzene         | 14.60 | 250  | 214877   | 20.617 | ng/ul  | 98       |
| 75) Carbazole                  | 17.42 | 167  | 671399   | 20.410 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.00 | 149  | 787567   | 19.539 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.08 | 202  | 902812   | 19.439 | ng/ul  | 99       |
| 80) Pvrene                     | 19.44 | 202  | 936107   | 20.315 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.37 | 149  | 358388   | 21.160 | ng/ul  | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 312126   | 20.375 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.20 | 228  | 944112   | 20.658 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 508406   | 19.870 | ng/ul  | 99       |
| 85) Chrysene                   | 21.26 | 228  | 904469   | 20.162 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.03 | 149  | 870271   | 19.496 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.76 | 252  | 986799   | 21.299 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.80 | 252  | 898373   | 19.565 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.32 | 252  | 829748   | 19.679 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.62 | 276  | 1071343  | 19.720 | ng/ul  | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.63 | 278  | 905532   | 19.677 | ng/ul  | 100      |
| 94) Benzo(a,h,i)perylene       | 26.29 | 276  | 871883   | 19.429 | ng/ul  | 100      |

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Sample : SSTDCCC020  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD02021

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 13 11:47:07 2020  
Response via : Initial Calibration

| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

