

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111220\  
 Data File : BM027794.D  
 Acq On : 12 Nov 2020 16:32  
 Operator : JU/CG  
 Sample : SSTD01005  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD01005

Manual Integrations  
 APPROVED

mohammad  
 11/16/2020 11:50:21 AM

Quant Time: Nov 12 17:45:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 12 17:41:27 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.38  | 152  | 37084    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.22 | 136  | 149118   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.99 | 164  | 91206    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.70 | 188  | 183545   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.80 | 240  | 154867   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.24 | 264  | 145899   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |       |      |
|--------------------------------|-------|-----|-------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.53  | 96  | 4200  | 5.04  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.50  | 99  | 35043 | 11.46 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.68  | 67  | 22225 | 10.95 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.90  | 132 | 26583 | 11.88 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.07  | 113 | 27600 | 11.07 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.56  | 128 | 13015 | 11.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.29 | 143 | 12597 | 10.23 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.82 | 165 | 26783 | 10.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.34 | 131 | 26955 | 8.61  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.38 | 166 | 74186 | 10.22 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.69 | 160 | 91658 | 11.18 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.13 | 143 | 12365 | 9.68  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.96 | 176 | 64630 | 9.94  | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 9940  | 8.46  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.80 | 188 | 95006 | 10.95 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 20.04 | 212 | 97626 | 14.15 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.08 | 264 | 83047 | 10.61 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |       |        | Ovalue    |
|--------------------------------|-------|-----|-------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.57  | 88  | 4396  | 4.407  | ng/uL 94  |
| 4) Benzaldehyde                | 7.49  | 77  | 22969 | 10.424 | ng/ul 95  |
| 6) Phenol                      | 7.53  | 94  | 35642 | 10.972 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.77  | 93  | 28812 | 11.043 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.93  | 128 | 26724 | 11.448 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.81  | 108 | 26320 | 10.977 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.91  | 45  | 44899 | 22.820 | ng/ul 96  |
| 14) Acetophenone               | 9.21  | 105 | 45004 | 10.756 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 9.19  | 70  | 23852 | 9.963  | ng/ul 99  |
| 16) 4-Methylphenol             | 9.14  | 108 | 29204 | 11.158 | ng/ul 87  |
| 17) Hexachloroethane           | 9.49  | 117 | 12709 | 10.942 | ng/ul 97  |
| 20) Nitrobenzene               | 9.60  | 77  | 38119 | 10.397 | ng/ul 96  |
| 21) Isophorone                 | 10.12 | 82  | 63836 | 10.259 | ng/ul 98  |
| 23) 2-Nitrophenol              | 10.32 | 139 | 14013 | 10.484 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 10.36 | 107 | 34802 | 11.372 | ng/ul 96  |
| 25) Bis(2-Chloroethoxy)methane | 10.60 | 93  | 37504 | 10.610 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.85 | 162 | 25595 | 9.703  | ng/ul 98  |
| 28) Naphthalene                | 11.27 | 128 | 86829 | 10.959 | ng/ul 99  |
| 30) 4-Chloroaniline            | 11.36 | 127 | 25751 | 8.158  | ng/ul 94  |
| 31) Hexachlorobutadiene        | 11.55 | 225 | 18830 | 9.050  | ng/ul 94  |
| 32) Caprolactam                | 12.10 | 113 | 7812  | 9.340  | ng/ul 82  |
| 33) 4-Chloro-3-methylphenol    | 12.45 | 107 | 29601 | 10.535 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.85 | 142 | 59459 | 9.926  | ng/ul 92  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 13.06 | 142  | 71095    | 11.926 | ng/ul  | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.21 | 216  | 33055    | 10.782 | ng/ul  | 97       |
| 38) Hexachlorocyclopentadiene  | 13.19 | 237  | 21467    | 10.701 | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 13.43 | 196  | 20983    | 11.254 | ng/ul  | 91       |
| 40) 2,4,5-Trichlorophenol      | 13.50 | 196  | 22048    | 10.949 | ng/ul  | 94       |
| 41) 1,1'-Biphenyl              | 13.83 | 154  | 76896    | 11.210 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 13.88 | 162  | 62278    | 11.156 | ng/ul  | 98       |
| 43) 2-Nitroaniline             | 14.06 | 65   | 20076    | 12.248 | ng/ul  | 91       |
| 45) Dimethylphthalate          | 14.43 | 163  | 75309    | 9.847  | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 14.55 | 165  | 13385    | 9.178  | ng/ul  | 95       |
| 48) Acenaphthylene             | 14.72 | 152  | 88705    | 10.718 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.87 | 138  | 11401    | 8.777  | ng/ul  | 88       |
| 50) Acenaphthene               | 15.05 | 153  | 63932    | 10.757 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 15.07 | 184  | 7067     | 7.747  | ng/ul  | 89       |
| 53) 4-Nitrophenol              | 15.15 | 109  | 14728    | 11.057 | ng/ul  | 94       |
| 54) Dibenzofuran               | 15.38 | 168  | 89007    | 10.015 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 15.32 | 165  | 19825    | 8.819  | ng/ul# | 93       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.59 | 232  | 18226    | 9.133  | ng/ul  | 96       |
| 57) Diethylphthalate           | 15.77 | 149  | 74056    | 9.286  | ng/ul  | 97       |
| 59) Fluorene                   | 16.02 | 166  | 72247    | 9.458  | ng/ul  | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.00 | 204  | 36609    | 8.757  | ng/ul  | 97       |
| 61) 4-Nitroaniline             | 16.02 | 138  | 13454    | 8.923  | ng/ul  | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 16.07 | 198  | 10567    | 8.309  | ng/ul# | 97       |
| 65) N-Nitrosodiphenylamine     | 16.21 | 169  | 59765    | 11.547 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.89 | 248  | 21334    | 10.041 | ng/ul  | 92       |
| 67) Hexachlorobenzene          | 17.02 | 284  | 24760    | 9.626  | ng/ul  | 94       |
| 68) Atrazine                   | 17.13 | 200  | 20774    | 9.265  | ng/ul  | 97       |
| 69) Pentachlorophenol          | 17.34 | 266  | 13371    | 8.470  | ng/ul  | 87       |
| 70) Phenanthrene               | 17.74 | 178  | 110574   | 10.519 | ng/ul  | 99       |
| 72) Anthracene                 | 17.83 | 178  | 112412   | 10.497 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.80 | 216  | 31858    | 13.186 | ng/uL  | 97       |
| 74) Pentachlorobenzene         | 15.30 | 250  | 29512    | 11.077 | ng/uL  | 98       |
| 75) Carbazole                  | 18.09 | 167  | 93401    | 10.304 | ng/ul  | 97       |
| 76) Di-n-butylphthalate        | 18.62 | 149  | 110730   | 9.837  | ng/ul  | 98       |
| 77) Fluoranthene               | 19.72 | 202  | 122337   | 9.445  | ng/ul  | 99       |
| 80) Pvrene                     | 20.07 | 202  | 126763   | 13.531 | ng/ul  | 98       |
| 81) Butylbenzylphthalate       | 20.92 | 149  | 46885    | 13.075 | ng/ul  | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.70 | 252  | 29635    | 8.713  | ng/ul  | 100      |
| 83) Benzo(a)anthracene         | 21.79 | 228  | 111588   | 11.120 | ng/ul  | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.68 | 149  | 61550    | 11.018 | ng/ul  | 100      |
| 85) Chrysene                   | 21.84 | 228  | 107269   | 10.819 | ng/ul  | 100      |
| 87) Di-n-octyl phthalate       | 22.62 | 149  | 105745   | 11.671 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.49 | 252  | 103084   | 10.702 | ng/ul  | 96       |
| 89) Benzo(k)fluoranthene       | 23.54 | 252  | 101167m  | 10.476 | ng/ul  |          |
| 91) Benzo(a)pyrene             | 24.13 | 252  | 91681    | 10.201 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 26.76 | 276  | 105673   | 8.957  | ng/ul  | 99       |
| 93) Dibenzo(a,h)anthracene     | 26.76 | 278  | 87138    | 8.732  | ng/ul# | 94       |
| 94) Benzo(a,h,i)perylene       | 27.54 | 276  | 88700    | 8.995  | ng/ul  | 97       |

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

