

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
 Data File : BN009132.D  
 Acq On : 24 Dec 2019 19:10  
 Operator : JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SICV57

Manual Integrations  
 APPROVED

mohammad  
 12/26/2019 4:04:24 PM

Quant Time: Dec 24 19:42:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 24 19:11:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.53  | 152  | 226225   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.28 | 136  | 1042694  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.16 | 164  | 739529   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.90 | 188  | 1620965  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.11 | 240  | 1619345  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.25 | 264  | 1837195  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 36668   | 7.40  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.72  | 99  | 396995  | 18.46 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.88  | 67  | 262200  | 19.03 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.07  | 132 | 294072  | 19.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.23  | 113 | 328014  | 18.89 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.66  | 128 | 155101  | 19.75 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.38  | 143 | 169677  | 19.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.91  | 165 | 320030  | 19.34 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.42 | 131 | 401544  | 20.14 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.57 | 166 | 1082502 | 19.49 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.85 | 160 | 1280038 | 19.66 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.37 | 143 | 208683  | 18.89 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.16 | 176 | 918649  | 18.99 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.29 | 200 | 186735  | 18.46 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.00 | 188 | 1470017 | 19.50 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.31 | 212 | 1656359 | 19.61 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.12 | 264 | 1788032 | 19.32 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 41696   | 7.760  | ng/uL  | 92  |
| 4) Benzaldehyde                | 6.68  | 77  | 280922  | 20.834 | ng/ul  | 98  |
| 6) Phenol                      | 6.75  | 94  | 416323  | 18.718 | ng/ul  | 96  |
| 8) Bis(2-Chloroethyl)ether     | 6.97  | 93  | 321234  | 18.783 | ng/ul  | 98  |
| 10) 2-Chlorophenol             | 7.10  | 128 | 302168  | 19.231 | ng/ul  | 99  |
| 11) 2-Methylphenol             | 7.97  | 108 | 315533  | 18.881 | ng/ul  | 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.06  | 45  | 685936  | 18.914 | ng/ul  | 98  |
| 14) Acetophenone               | 8.34  | 105 | 513592  | 19.305 | ng/ul  | 99  |
| 15) N-Nitroso-di-n-propylamine | 8.33  | 70  | 287646  | 19.501 | ng/ul  | 96  |
| 16) 4-Methylphenol             | 8.30  | 108 | 353787  | 19.263 | ng/ul  | 95  |
| 17) Hexachloroethane           | 8.59  | 117 | 124204  | 18.692 | ng/ul  | 95  |
| 20) Nitrobenzene               | 8.71  | 77  | 421436  | 19.758 | ng/ul  | 97  |
| 21) Isophorone                 | 9.23  | 82  | 813673  | 19.817 | ng/ul  | 99  |
| 23) 2-Nitrophenol              | 9.41  | 139 | 183094  | 19.512 | ng/ul  | 99  |
| 24) 2,4-Dimethylphenol         | 9.48  | 107 | 399108  | 19.832 | ng/ul  | 96  |
| 25) Bis(2-Chloroethoxy)methane | 9.72  | 93  | 491925  | 19.583 | ng/ul  | 99  |
| 27) 2,4-Dichlorophenol         | 9.94  | 162 | 316623  | 19.480 | ng/ul  | 97  |
| 28) Naphthalene                | 10.33 | 128 | 1079604 | 19.400 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 10.45 | 127 | 414512  | 20.698 | ng/ul  | 98  |
| 31) Hexachlorobutadiene        | 10.63 | 225 | 199646  | 19.519 | ng/ul  | 96  |
| 32) Caprolactam                | 11.22 | 113 | 124156m | 19.504 | ng/ul  |     |
| 33) 4-Chloro-3-methylphenol    | 11.58 | 107 | 397882  | 19.829 | ng/ul  | 100 |
| 34) 2-Methylnaphthalene        | 11.95 | 142 | 779347  | 19.426 | ng/ul  | 91  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.33 | 216  | 396239   | 18.989 | ng/ul | 96       |
| 37) Hexachlorocyclopentadiene  | 12.31 | 237  | 233463   | 18.208 | ng/ul | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.57 | 196  | 268484   | 19.242 | ng/ul | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.65 | 196  | 288536   | 19.339 | ng/ul | 96       |
| 40) 1,1'-Biphenyl              | 12.99 | 154  | 1052609  | 19.213 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.02 | 162  | 818962   | 19.151 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.23 | 65   | 310237   | 19.607 | ng/ul | 97       |
| 44) Dimethylphthalate          | 13.63 | 163  | 1088318  | 19.159 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 13.74 | 165  | 227234   | 19.894 | ng/ul | 98       |
| 47) Acenaphthylene             | 13.87 | 152  | 1369597  | 19.594 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.06 | 138  | 222162   | 19.866 | ng/ul | 95       |
| 49) Acenaphthene               | 14.22 | 153  | 919493   | 19.606 | ng/ul | 96       |
| 50) 2,4-Dinitrophenol          | 14.28 | 184  | 121416   | 17.018 | ng/ul | 96       |
| 52) 4-Nitrophenol              | 14.39 | 109  | 163494   | 18.557 | ng/ul | 99       |
| 53) Dibenzofuran               | 14.56 | 168  | 1290083  | 19.594 | ng/ul | 97       |
| 54) 2,4-Dinitrotoluene         | 14.53 | 165  | 333996   | 19.989 | ng/ul | 98       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.79 | 232  | 258951   | 19.040 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.00 | 149  | 1156102  | 18.842 | ng/ul | 100      |
| 58) Fluorene                   | 15.21 | 166  | 1064176  | 19.342 | ng/ul | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.22 | 204  | 533278   | 19.339 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.23 | 138  | 260618   | 19.615 | ng/ul | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.30 | 198  | 205514   | 19.284 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.43 | 169  | 935882   | 20.067 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.11 | 248  | 331998   | 20.325 | ng/ul | 95       |
| 66) Hexachlorobenzene          | 16.22 | 284  | 364864   | 20.043 | ng/ul | 99       |
| 67) Atrazine                   | 16.39 | 200  | 344030   | 19.378 | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.56 | 266  | 217521   | 19.076 | ng/ul | 95       |
| 69) Phenanthrene               | 16.95 | 178  | 1781539  | 19.934 | ng/ul | 98       |
| 71) Anthracene                 | 17.04 | 178  | 1824229  | 19.839 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.95 | 216  | 403283   | 19.025 | ng/uL | 99       |
| 73) Pentachlorobenzene         | 14.48 | 250  | 403780   | 19.271 | ng/uL | 92       |
| 74) Carbazole                  | 17.31 | 167  | 1573022  | 19.797 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 17.90 | 149  | 2051989  | 19.618 | ng/ul | 100      |
| 76) Fluoranthene               | 18.97 | 202  | 2140747  | 20.739 | ng/ul | 99       |
| 79) Pvrene                     | 19.33 | 202  | 2200431  | 19.592 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.26 | 149  | 953174   | 19.296 | ng/ul | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.03 | 252  | 761873   | 20.440 | ng/ul | 93       |
| 82) Benzo(a)anthracene         | 21.10 | 228  | 2097752  | 19.172 | ng/ul | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 1452672  | 19.187 | ng/ul | 98       |
| 84) Chrysene                   | 21.15 | 228  | 2093199  | 19.906 | ng/ul | 97       |
| 86) Di-n-octyl phthalate       | 21.92 | 149  | 2489468  | 20.166 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.62 | 252  | 2184823  | 19.458 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.66 | 252  | 2115947  | 19.296 | ng/ul | 98       |
| 90) Benzo(a)pyrene             | 23.16 | 252  | 1961220  | 19.022 | ng/ul | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.35 | 276  | 2364056  | 18.926 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.36 | 278  | 2014859  | 19.112 | ng/ul | 98       |
| 93) Benzo(g,h,i)perylene       | 25.99 | 276  | 1969057  | 18.839 | ng/ul | 96       |

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

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