

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030519\  
 Data File : BN004629.D  
 Acq On : 05 Mar 2019 17:35  
 Operator : JU/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02097

Manual Integrations  
 APPROVED

Sohil  
 3/6/2019 5:27:25 PM

Quant Time: Mar 06 00:22:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 05 05:46:57 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 30346    | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.52 | 136  | 141586   | 20.00 | ng/ul | -0.02    |
| 36) Acenaphthene-d10      | 14.37 | 164  | 86872    | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 17.12 | 188  | 205644   | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.32 | 240  | 254959   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.59 | 264  | 240592   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 3931   | 7.79  | ng/uL | -0.01 |
| 5) Phenol-d5                   | 6.89  | 99  | 50764  | 18.77 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 25328  | 18.66 | ng/ul | -0.02 |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 45358  | 20.68 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.43  | 113 | 43488  | 18.71 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.89  | 128 | 22448  | 23.95 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.61  | 143 | 25315  | 25.87 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.13 | 165 | 49090  | 22.13 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.66 | 131 | 56492  | 23.03 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 13.78 | 166 | 144805 | 19.66 | ng/ul | -0.02 |
| 47) Acenaphthylene-d8          | 14.07 | 160 | 184849 | 21.18 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.57 | 143 | 27805  | 19.71 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.37 | 176 | 129287 | 19.93 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 200 | 18217  | 15.19 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.22 | 188 | 207624 | 21.07 | ng/ul | -0.01 |
| 79) Pyrene-d10                 | 19.52 | 212 | 246999 | 21.61 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12         | 23.44 | 264 | 265843 | 21.05 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 4307   | 6.935  | ng/uL 98  |
| 4) Benzaldehyde                | 6.89  | 77  | 32073  | 20.659 | ng/ul 97  |
| 6) Phenol                      | 6.92  | 94  | 50652  | 18.758 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.16  | 93  | 36595  | 18.945 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.29  | 128 | 44245  | 20.263 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.16  | 108 | 40974  | 18.971 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 43766m | 19.117 | ng/ul     |
| 14) Acetophenone               | 8.55  | 105 | 64667  | 18.667 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.53  | 70  | 29140  | 19.608 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.49  | 108 | 44301  | 18.532 | ng/ul 98  |
| 17) Hexachloroethane           | 8.80  | 117 | 16022  | 20.957 | ng/ul 91  |
| 20) Nitrobenzene               | 8.93  | 77  | 44881  | 21.886 | ng/ul 100 |
| 21) Isophorone                 | 9.45  | 82  | 88137  | 20.981 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.64  | 139 | 26615  | 24.250 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.69  | 107 | 51239  | 20.697 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.93  | 93  | 52957  | 19.428 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.16 | 162 | 47033  | 21.475 | ng/ul 100 |
| 28) Naphthalene                | 10.57 | 128 | 149125 | 20.428 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.69 | 127 | 56212  | 22.891 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.83 | 225 | 30655  | 21.649 | ng/ul 97  |
| 32) Caprolactam                | 11.45 | 113 | 15362  | 20.772 | ng/ul 95  |
| 33) 4-Chloro-3-methylphenol    | 11.80 | 107 | 49871  | 21.113 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.18 | 142 | 110652 | 19.761 | ng/ul 99  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.40 | 142  | 108002   | 19.558 | ng/ul | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.55 | 216  | 62413    | 21.582 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.52 | 237  | 19023    | 10.580 | ng/ul | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.79 | 196  | 39919    | 23.361 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.86 | 196  | 43753    | 22.793 | ng/ul | 97       |
| 41) 1,1'-Biphenyl              | 13.20 | 154  | 141627   | 20.177 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.25 | 162  | 113160   | 20.726 | ng/ul | 100      |
| 43) 2-Nitroaniline             | 13.46 | 65   | 27658    | 24.816 | ng/ul | 97       |
| 45) Dimethylphthalate          | 13.83 | 163  | 140188   | 19.248 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.96 | 165  | 29406    | 22.900 | ng/ul | 92       |
| 48) Acenaphthylene             | 14.10 | 152  | 172577   | 20.823 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.29 | 138  | 30574    | 23.330 | ng/ul | 95       |
| 50) Acenaphthene               | 14.44 | 153  | 122015   | 20.437 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.50 | 184  | 10021    | 12.544 | ng/ul | 99       |
| 53) 4-Nitrophenol              | 14.59 | 109  | 20271    | 19.329 | ng/ul | 96       |
| 54) Dibenzofuran               | 14.77 | 168  | 171902   | 19.906 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 14.75 | 165  | 43893    | 21.790 | ng/ul | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 39914    | 22.789 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.20 | 149  | 143231   | 19.929 | ng/ul | 100      |
| 59) Fluorene                   | 15.42 | 166  | 139688   | 19.960 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.42 | 204  | 72999    | 19.713 | ng/ul | 97       |
| 61) 4-Nitroaniline             | 15.46 | 138  | 35275    | 20.682 | ng/ul | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 19000    | 15.070 | ng/ul | 97       |
| 65) N-Nitrosodiphenylamine     | 15.63 | 169  | 122685   | 20.832 | ng/ul | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.32 | 248  | 49493    | 21.539 | ng/ul | 97       |
| 67) Hexachlorobenzene          | 16.42 | 284  | 58347    | 21.678 | ng/ul | 99       |
| 68) Atrazine                   | 16.59 | 200  | 47684    | 21.022 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.77 | 266  | 34777    | 22.166 | ng/ul | 99       |
| 70) Phenanthrene               | 17.16 | 178  | 230716   | 20.221 | ng/ul | 100      |
| 72) Anthracene                 | 17.26 | 178  | 237742   | 20.696 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.16 | 216  | 62828    | 22.274 | ng/uL | 98       |
| 74) Pentachlorobenzene         | 14.69 | 250  | 64902    | 21.527 | ng/uL | 99       |
| 75) Carbazole                  | 17.53 | 167  | 212994   | 20.753 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.08 | 149  | 259641   | 23.044 | ng/ul | 100      |
| 77) Fluoranthene               | 19.19 | 202  | 294898   | 20.995 | ng/ul | 98       |
| 80) Pvrene                     | 19.55 | 202  | 300211   | 21.292 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.45 | 149  | 132003   | 27.245 | ng/ul | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 122527   | 22.912 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.31 | 228  | 323146   | 20.565 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 193638   | 26.665 | ng/ul | 100      |
| 85) Chrysene                   | 21.36 | 228  | 300871   | 20.169 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.12 | 149  | 344103   | 29.872 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.90 | 252  | 306072   | 21.481 | ng/ul | 100      |
| 89) Benzo(k)fluoranthene       | 22.95 | 252  | 295713   | 21.349 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.49 | 252  | 280474   | 20.173 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.88 | 276  | 304229   | 17.233 | ng/ul | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.89 | 278  | 256359   | 17.454 | ng/ul | 98       |
| 94) Benzo(a,h,i)perylene       | 26.59 | 276  | 246371   | 16.652 | ng/ul | 98       |

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

