

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062219\  
 Data File : BN006494.D  
 Acq On : 22 Jun 2019 18:06  
 Operator : HP/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02023

Manual Integrations  
 APPROVED

mohammad  
 6/25/2019 8:44:27 AM

Quant Time: Jun 24 04:57:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 21 22:42:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 322059   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 1475353  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.28 | 164  | 864467   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.04 | 188  | 1846982  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 1390012  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.49 | 264  | 1299141  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 60678   | 7.36  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 623193  | 18.17 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 401180  | 18.90 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 475044  | 18.79 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 482580  | 17.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 234276  | 19.83 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 262764  | 20.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 475614  | 19.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 602796  | 21.20 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.69 | 166 | 1409272 | 18.60 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.97 | 160 | 1786132 | 19.23 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.51 | 143 | 233689  | 18.05 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.28 | 176 | 1206252 | 18.72 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 196433  | 16.80 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.13 | 188 | 1786459 | 19.21 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.45 | 212 | 1789051 | 22.03 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264 | 1409737 | 19.21 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 62694   | 7.506  | ng/ul 98  |
| 4) Benzaldehyde                | 6.77  | 77  | 254027  | 18.339 | ng/ul 99  |
| 6) Phenol                      | 6.83  | 94  | 607543  | 18.376 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.05  | 93  | 465010  | 18.471 | ng/ul 96  |
| 10) 2-Chlorophenol             | 7.19  | 128 | 448252  | 18.501 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.07  | 108 | 453473  | 18.110 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.15  | 45  | 749064  | 18.812 | ng/ul 98  |
| 14) Acetophenone               | 8.44  | 105 | 712520  | 18.255 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.43  | 70  | 391789  | 17.871 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.40  | 108 | 490108  | 17.868 | ng/ul 99  |
| 17) Hexachloroethane           | 8.69  | 117 | 179927  | 18.314 | ng/ul 98  |
| 20) Nitrobenzene               | 8.82  | 77  | 544368  | 19.095 | ng/ul 98  |
| 21) Isophorone                 | 9.34  | 82  | 1098060 | 18.636 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.53  | 139 | 258475  | 19.957 | ng/ul 100 |
| 24) 2,4-Dimethylphenol         | 9.59  | 107 | 537064  | 18.997 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 665240  | 18.609 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 432699  | 19.144 | ng/ul 98  |
| 28) Naphthalene                | 10.45 | 128 | 1450354 | 18.673 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.58 | 127 | 564862  | 21.049 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.73 | 225 | 250808  | 19.100 | ng/ul 99  |
| 32) Caprolactam                | 11.33 | 113 | 158078m | 18.214 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.71 | 107 | 509573  | 18.742 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.07 | 142 | 1045811 | 18.608 | ng/ul 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216  | 507572   | 19.796 | ng/ul | 99       |
| 37) Hexachlorocyclopentadiene  | 12.43 | 237  | 170142   | 15.274 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.70 | 196  | 329248   | 19.759 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.78 | 196  | 346284   | 20.204 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.10 | 154  | 1323542  | 19.350 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.15 | 162  | 1028611  | 19.393 | ng/ul | 100      |
| 42) 2-Nitroaniline             | 13.36 | 65   | 341609   | 20.602 | ng/ul | 99       |
| 44) Dimethylphthalate          | 13.74 | 163  | 1284854  | 18.395 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.87 | 165  | 268755   | 19.744 | ng/ul | 100      |
| 47) Acenaphthylene             | 14.00 | 152  | 1556743  | 18.918 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.20 | 138  | 275952   | 20.499 | ng/ul | 99       |
| 49) Acenaphthene               | 14.35 | 153  | 1107895  | 18.892 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.42 | 184  | 100076   | 15.225 | ng/ul | 98       |
| 52) 4-Nitrophenol              | 14.52 | 109  | 163455   | 18.049 | ng/ul | 99       |
| 53) Dibenzofuran               | 14.68 | 168  | 1532988  | 18.864 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.67 | 165  | 381590   | 19.469 | ng/ul | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 287912   | 18.657 | ng/ul | 96       |
| 56) Diethylphthalate           | 15.11 | 149  | 1312446  | 18.598 | ng/ul | 99       |
| 58) Fluorene                   | 15.33 | 166  | 1232190  | 18.758 | ng/ul | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204  | 606671   | 18.850 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.37 | 138  | 276644   | 19.145 | ng/ul | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 190937   | 16.696 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.55 | 169  | 1088584  | 19.568 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.23 | 248  | 374442   | 19.687 | ng/ul | 98       |
| 66) Hexachlorobenzene          | 16.35 | 284  | 407174   | 19.198 | ng/ul | 99       |
| 67) Atrazine                   | 16.51 | 200  | 383693   | 20.014 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.70 | 266  | 186189   | 18.012 | ng/ul | 96       |
| 69) Phenanthrene               | 17.08 | 178  | 1915651  | 18.804 | ng/ul | 99       |
| 71) Anthracene                 | 17.17 | 178  | 1979343  | 19.140 | ng/ul | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216  | 504687   | 20.304 | ng/ul | 98       |
| 73) Pentachlorobenzene         | 14.60 | 250  | 492697   | 19.879 | ng/ul | 100      |
| 74) Carbazole                  | 17.45 | 167  | 1748444  | 19.591 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 18.01 | 149  | 2301995  | 20.205 | ng/ul | 100      |
| 76) Fluoranthene               | 19.11 | 202  | 2118394  | 19.295 | ng/ul | 99       |
| 79) Pyrene                     | 19.47 | 202  | 2103531  | 22.227 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 1015621  | 23.934 | ng/ul | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 530160   | 18.039 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.25 | 228  | 1821958  | 19.177 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 1470870  | 24.172 | ng/ul | 99       |
| 84) Chrysene                   | 21.30 | 228  | 1698701  | 18.786 | ng/ul | 99       |
| 86) Di-n-octyl phthalate       | 22.05 | 149  | 2405106  | 28.812 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.82 | 252  | 1588765  | 20.377 | ng/ul | 100      |
| 88) Benzo(k)fluoranthene       | 22.86 | 252  | 1466300  | 19.677 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.39 | 252  | 1437496  | 19.227 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.73 | 276  | 1586278  | 17.928 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.73 | 278  | 1320305  | 18.020 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.41 | 276  | 1313241  | 17.623 | ng/ul | 99       |

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

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Sample : SSTDCCC020EC  
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