

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_N\DATA\BN022018\  
 Data File : BN000131.D  
 Acq On : 20 Feb 2018 13:07  
 Operator : JU/SJ  
 Sample : SSTD00572  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD00572

Quant Time: Feb 20 15:28:46 2018  
 Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN022018MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 20 15:01:29 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.46  | 152  | 180171   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.30 | 136  | 904273   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 15.06 | 164  | 541527   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.79 | 188  | 1161687  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.90 | 240  | 1190497  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.37 | 264  | 1244846  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.62  | 96  | 9397   | 2.17 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 0.00  | 99  | 0d     | 0.00 | ng/ul |      |
| 7) Bis-(2-Chloroethyl)ether-d  | 0.00  | 67  | 0d     | 0.00 | ng/ul |      |
| 9) 2-Chlorophenol-d4           | 7.98  | 132 | 57323  | 4.70 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 0.00  | 113 | 0d     | 0.00 | ng/ul |      |
| 19) Nitrobenzene-d5            | 9.63  | 128 | 24341  | 4.15 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.36 | 143 | 22224  | 4.30 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.90 | 165 | 57104  | 4.73 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d     | 0.00 | ng/ul |      |
| 44) Dimethylphthalate-d6       | 14.45 | 166 | 201804 | 4.93 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.76 | 160 | 252842 | 4.87 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d     | 0.00 | ng/ul |      |
| 58) Fluorene-d10               | 16.04 | 176 | 185164 | 5.12 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0d     | 0.00 | ng/ul |      |
| 71) Anthracene-d10             | 17.88 | 188 | 269303 | 5.00 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 20.13 | 212 | 281072 | 5.02 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.21 | 264 | 271681 | 4.91 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue |    |
|--------------------------------|-------|-----|--------|-------|--------|----|
| 2) 1,4-Dioxane                 | 3.66  | 88  | 10356  | 2.438 | ng/uL# | 92 |
| 10) 2-Chlorophenol             | 8.00  | 128 | 63016  | 4.847 | ng/ul  | 97 |
| 15) N-Nitroso-di-n-propylamine | 9.26  | 70  | 49197  | 4.668 | ng/ul  | 96 |
| 17) Hexachloroethane           | 9.56  | 117 | 24414  | 4.841 | ng/ul# | 69 |
| 20) Nitrobenzene               | 9.68  | 77  | 75132  | 4.675 | ng/ul  | 98 |
| 21) Isophorone                 | 10.20 | 82  | 138066 | 4.406 | ng/ul  | 99 |
| 23) 2-Nitrophenol              | 10.39 | 139 | 26420  | 4.259 | ng/ul  | 96 |
| 24) 2,4-Dimethylphenol         | 10.43 | 107 | 81772  | 4.844 | ng/ul  | 94 |
| 25) Bis(2-Chloroethoxy)methane | 10.68 | 93  | 104088 | 4.870 | ng/ul  | 95 |
| 27) 2,4-Dichlorophenol         | 10.93 | 162 | 59367  | 4.816 | ng/ul# | 90 |
| 28) Naphthalene                | 11.35 | 128 | 247573 | 5.165 | ng/ul  | 99 |
| 31) Hexachlorobutadiene        | 11.62 | 225 | 35071  | 5.282 | ng/ul  | 99 |
| 33) 4-Chloro-3-methylphenol    | 12.52 | 107 | 72160  | 4.753 | ng/ul  | 94 |
| 34) 2-Methylnaphthalene        | 12.92 | 142 | 171466 | 5.111 | ng/ul  | 99 |
| 35) 1-Methylnaphthalene        | 13.14 | 142 | 172924 | 5.099 | ng/ul  | 97 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.28 | 216 | 74287  | 5.076 | ng/ul# | 94 |
| 39) 2,4,6-Trichlorophenol      | 13.50 | 196 | 41416  | 4.788 | ng/ul  | 96 |
| 40) 2,4,5-Trichlorophenol      | 13.57 | 196 | 45507  | 4.787 | ng/ul  | 98 |
| 41) 1,1'-Biphenyl              | 13.90 | 154 | 227178 | 5.146 | ng/ul# | 95 |
| 42) 2-Chloronaphthalene        | 13.96 | 162 | 173008 | 5.156 | ng/ul  | 96 |
| 43) 2-Nitroaniline             | 14.15 | 65  | 32851  | 3.852 | ng/ul  | 92 |
| 45) Dimethylphthalate          | 14.50 | 163 | 209521 | 5.031 | ng/ul# | 98 |
| 46) 2,6-Dinitrotoluene         | 14.63 | 165 | 26500  | 3.854 | ng/ul# | 82 |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 48) Acenaphthylene             | 14.79 | 152  | 260405   | 4.919 | ng/ul  | 99       |
| 50) Acenaphthene               | 15.13 | 153  | 196023   | 5.187 | ng/ul  | 98       |
| 54) Dibenzofuran               | 15.46 | 168  | 275266   | 5.232 | ng/ul  | 99       |
| 55) 2,4-Dinitrotoluene         | 15.40 | 165  | 42702    | 3.974 | ng/ul# | 75       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.67 | 232  | 34717    | 4.575 | ng/ul  | 97       |
| 57) Diethylphthalate           | 15.85 | 149  | 202431   | 4.816 | ng/ul  | 96       |
| 59) Fluorene                   | 16.10 | 166  | 220223   | 5.215 | ng/ul  | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.08 | 204  | 98605    | 5.131 | ng/ul# | 85       |
| 65) N-Nitrosodiphenylamine     | 16.29 | 169  | 178618   | 5.009 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.97 | 248  | 51762    | 4.976 | ng/ul# | 83       |
| 67) Hexachlorobenzene          | 17.09 | 284  | 59513    | 5.094 | ng/ul# | 83       |
| 70) Phenanthrene               | 17.83 | 178  | 353657   | 5.286 | ng/ul  | 98       |
| 72) Anthracene                 | 17.92 | 178  | 351048   | 5.196 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.87 | 216  | 77105    | 5.134 | ng/uL  | 95       |
| 74) Pentachlorobenzene         | 15.37 | 250  | 74805    | 5.169 | ng/uL  | 98       |
| 76) Di-n-butylphthalate        | 18.70 | 149  | 286588   | 4.512 | ng/ul  | 99       |
| 80) Pyrene                     | 20.16 | 202  | 391716   | 5.349 | ng/ul# | 78       |
| 81) Butylbenzylphthalate       | 21.01 | 149  | 110591   | 4.030 | ng/ul# | 80       |
| 83) Benzo(a)anthracene         | 21.88 | 228  | 367827   | 5.108 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.77 | 149  | 177174   | 4.346 | ng/ul# | 93       |
| 85) Chrysene                   | 21.93 | 228  | 367594   | 5.260 | ng/ul  | 99       |
| 88) Benzo(b)fluoranthene       | 23.62 | 252  | 355893   | 5.002 | ng/ul# | 94       |
| 89) Benzo(k)fluoranthene       | 23.66 | 252  | 363728   | 5.111 | ng/ul# | 94       |
| 91) Benzo(a)pyrene             | 24.26 | 252  | 348875   | 4.877 | ng/ul# | 94       |
| 92) Indeno(1,2,3-cd)pyrene     | 26.92 | 276  | 388108   | 4.586 | ng/ul# | 80       |
| 93) Dibenzo(a,h)anthracene     | 26.93 | 278  | 321185   | 4.553 | ng/ul# | 91       |
| 94) Benzo(g,h,i)perylene       | 27.70 | 276  | 321589   | 4.492 | ng/ul# | 86       |

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

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