

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\  
 Data File : BN012288.D  
 Acq On : 17 Oct 2020 12:08  
 Operator : CG/JU  
 Sample : SSTD00554  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD00554

Quant Time: Oct 17 14:07:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN101720.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 17 13:54:18 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 208199   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.38 | 136  | 816839   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.25 | 164  | 503070   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.99 | 188  | 1100725  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.19 | 240  | 1069542  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.37 | 264  | 1092666  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 9349   | 1.98 | 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           | 7.14  | 132 | 65268  | 4.55 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 0.00  | 113 | 0d     | 0.00 | ng/ul |      |
| 19) Nitrobenzene-d5            | 8.75  | 128 | 32512  | 4.90 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 35089  | 4.74 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165 | 63016  | 4.57 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d     | 0.00 | ng/ul |      |
| 44) Dimethylphthalate-d6       | 13.66 | 166 | 196948 | 4.78 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.93 | 160 | 231838 | 4.75 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d     | 0.00 | ng/ul |      |
| 58) Fluorene-d10               | 15.24 | 176 | 170189 | 4.79 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0d     | 0.00 | ng/ul |      |
| 71) Anthracene-d10             | 17.09 | 188 | 244804 | 4.54 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.39 | 212 | 257537 | 4.61 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.23 | 264 | 280955 | 4.56 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.18  | 88  | 10120  | 1.899 | ng/uL# 85 |
| 10) 2-Chlorophenol             | 7.17  | 128 | 71522  | 4.812 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.40  | 70  | 57036  | 4.927 | ng/ul 100 |
| 17) Hexachloroethane           | 8.66  | 117 | 31024  | 4.778 | ng/ul 95  |
| 20) Nitrobenzene               | 8.79  | 77  | 82967  | 4.649 | ng/ul 99  |
| 21) Isophorone                 | 9.32  | 82  | 150647 | 4.818 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.50  | 139 | 37806  | 4.624 | ng/ul 94  |
| 24) 2,4-Dimethylphenol         | 9.56  | 107 | 78922  | 4.727 | ng/ul 96  |
| 25) Bis(2-Chloroethoxy)methane | 9.80  | 93  | 93576  | 4.769 | ng/ul 97  |
| 27) 2,4-Dichlorophenol         | 10.03 | 162 | 68066  | 4.945 | ng/ul 95  |
| 28) Naphthalene                | 10.42 | 128 | 229536 | 4.797 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.71 | 225 | 43846  | 4.827 | ng/ul 95  |
| 33) 4-Chloro-3-methylphenol    | 11.67 | 107 | 72920  | 4.703 | ng/ul 94  |
| 34) 2-Methylnaphthalene        | 12.05 | 142 | 155879 | 4.740 | ng/ul 94  |
| 35) 1-Methylnaphthalene        | 12.27 | 142 | 155169 | 4.802 | ng/uL 99  |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.42 | 216 | 73000  | 4.621 | ng/ul 98  |
| 39) 2,4,6-Trichlorophenol      | 12.67 | 196 | 49142  | 4.703 | ng/ul 89  |
| 40) 2,4,5-Trichlorophenol      | 12.74 | 196 | 50151  | 4.455 | ng/ul 96  |
| 41) 1,1'-Biphenyl              | 13.07 | 154 | 205109 | 4.923 | ng/ul 98  |
| 42) 2-Chloronaphthalene        | 13.11 | 162 | 157276 | 4.754 | ng/ul 96  |
| 43) 2-Nitroaniline             | 13.32 | 65  | 43279  | 4.486 | ng/ul 91  |
| 45) Dimethylphthalate          | 13.70 | 163 | 207383 | 4.825 | ng/ul 99  |
| 46) 2,6-Dinitrotoluene         | 13.83 | 165 | 37256  | 4.359 | ng/ul 93  |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 48) Acenaphthylene             | 13.96 | 152  | 243856   | 4.835 | ng/ul  | 98       |
| 50) Acenaphthene               | 14.31 | 153  | 175169   | 4.891 | ng/ul  | 98       |
| 54) Dibenzofuran               | 14.65 | 168  | 239323   | 4.799 | ng/ul  | 99       |
| 55) 2,4-Dinitrotoluene         | 14.62 | 165  | 55086    | 4.443 | ng/ul# | 91       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 44219    | 4.500 | ng/ul# | 97       |
| 57) Diethylphthalate           | 15.08 | 149  | 206948   | 4.619 | ng/ul  | 98       |
| 59) Fluorene                   | 15.30 | 166  | 200149   | 4.772 | ng/ul  | 93       |
| 60) 4-Chlorophenyl-phenylether | 15.30 | 204  | 94756    | 4.630 | ng/ul  | 97       |
| 65) N-Nitrosodiphenylamine     | 15.51 | 169  | 160868   | 4.634 | ng/ul  | 89       |
| 66) 4-Bromophenyl-phenylether  | 16.19 | 248  | 54657    | 4.462 | ng/ul  | 92       |
| 67) Hexachlorobenzene          | 16.30 | 284  | 69402    | 4.726 | ng/ul  | 96       |
| 70) Phenanthrene               | 17.03 | 178  | 317476   | 4.726 | ng/ul  | 99       |
| 72) Anthracene                 | 17.12 | 178  | 317635   | 4.642 | ng/ul  | 97       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.03 | 216  | 72043    | 4.800 | ng/uL  | 88       |
| 74) Pentachlorobenzene         | 14.57 | 250  | 73998    | 4.652 | ng/uL  | 94       |
| 76) Di-n-butylphthalate        | 17.97 | 149  | 343059   | 4.376 | ng/ul  | 98       |
| 80) Pyrene                     | 19.42 | 202  | 373719   | 4.900 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.33 | 149  | 157310   | 4.651 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.17 | 228  | 351052   | 4.868 | ng/ul  | 96       |
| 84) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 250739   | 4.768 | ng/ul  | 98       |
| 85) Chrysene                   | 21.23 | 228  | 338986   | 4.723 | ng/ul  | 96       |
| 88) Benzo(b)fluoranthene       | 22.72 | 252  | 368483   | 4.907 | ng/ul  | 98       |
| 89) Benzo(k)fluoranthene       | 22.76 | 252  | 338262   | 4.600 | ng/ul  | 97       |
| 91) Benzo(a)pyrene             | 23.27 | 252  | 327876   | 4.782 | ng/ul  | 97       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 412096   | 4.719 | ng/ul  | 96       |
| 93) Dibenzo(a,h)anthracene     | 25.55 | 278  | 349821   | 4.765 | ng/ul  | 96       |
| 94) Benzo(g,h,i)perylene       | 26.20 | 276  | 349817   | 4.806 | ng/ul  | 97       |

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

