

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112717\  
 Data File : BM013105.D  
 Acq On : 27 Nov 2017 11:02  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02047

Manual Integrations  
 APPROVED

Sohil  
 11/28/2017 2:53:41 PM

Quant Time: Nov 28 00:41:32 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 23 06:16:43 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 193129   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 850302   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 532005   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 1289866  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.28 | 240  | 1388281  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.51 | 264  | 1156284  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 28790   | 6.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 292894  | 17.51 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 180418  | 19.01 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 236601  | 17.70 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 247643  | 18.07 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 121637  | 20.07 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 111888  | 19.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 265388  | 18.14 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 350641  | 22.92 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 852692  | 18.27 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.04 | 160 | 1069613 | 17.99 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 131961  | 18.64 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.34 | 176 | 751647  | 18.95 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 112832  | 20.17 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.19 | 188 | 1196984 | 18.13 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.49 | 212 | 1354552 | 19.10 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.37 | 264 | 1104355 | 18.83 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 32053  | 6.998  | ng/uL# 61 |
| 4) Benzaldehyde                | 6.86  | 77  | 207156 | 22.978 | ng/ul# 85 |
| 6) Phenol                      | 6.91  | 94  | 302204 | 18.303 | ng/ul# 85 |
| 8) Bis(2-Chloroethyl)ether     | 7.14  | 93  | 236884 | 19.055 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.27  | 128 | 245734 | 18.569 | ng/ul 96  |
| 11) 2-Methylphenol             | 8.15  | 108 | 236848 | 18.898 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 245313 | 17.394 | ng/ul# 76 |
| 14) Acetophenone               | 8.53  | 105 | 399918 | 19.043 | ng/ul 90  |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 201800 | 18.735 | ng/ul# 69 |
| 16) 4-Methylphenol             | 8.48  | 108 | 256156 | 19.247 | ng/ul 97  |
| 17) Hexachloroethane           | 8.78  | 117 | 106575 | 19.016 | ng/ul 83  |
| 20) Nitrobenzene               | 8.90  | 77  | 314890 | 20.797 | ng/ul 93  |
| 21) Isophorone                 | 9.43  | 82  | 557090 | 17.955 | ng/ul# 94 |
| 23) 2-Nitrophenol              | 9.61  | 139 | 130628 | 20.823 | ng/ul# 81 |
| 24) 2,4-Dimethylphenol         | 9.67  | 107 | 306347 | 18.564 | ng/ul 92  |
| 25) Bis(2-Chloroethoxy)methane | 9.91  | 93  | 333882 | 18.754 | ng/ul 94  |
| 27) 2,4-Dichlorophenol         | 10.14 | 162 | 260250 | 19.140 | ng/ul# 91 |
| 28) Naphthalene                | 10.54 | 128 | 831594 | 18.980 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.65 | 127 | 349025 | 23.794 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.82 | 225 | 193756 | 19.789 | ng/ul 96  |
| 32) Caprolactam                | 11.42 | 113 | 83401m | 19.533 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.79 | 107 | 277199 | 19.140 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.16 | 142 | 646633 | 20.172 | ng/ul 93  |

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 Response via : Initial Calibration

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|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216  | 368543   | 19.045 | ng/ul# | 95       |
| 37) Hexachlorocyclopentadiene  | 12.51 | 237  | 188515   | 13.173 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 12.77 | 196  | 223047   | 19.126 | ng/ul  | 93       |
| 39) 2,4,5-Trichlorophenol      | 12.85 | 196  | 230116   | 18.872 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.18 | 154  | 865548   | 19.310 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.22 | 162  | 686094   | 19.312 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.43 | 65   | 186240   | 24.684 | ng/ul  | 85       |
| 44) Dimethylphthalate          | 13.81 | 163  | 853299   | 19.122 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.93 | 165  | 171679   | 25.215 | ng/ul  | 92       |
| 47) Acenaphthylene             | 14.07 | 152  | 1048988  | 19.151 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.26 | 138  | 167583   | 26.278 | ng/ul  | 96       |
| 49) Acenaphthene               | 14.41 | 153  | 690552   | 18.759 | ng/ul  | 96       |
| 50) 2,4-Dinitrophenol          | 14.46 | 184  | 65307    | 20.036 | ng/ul  | 92       |
| 52) 4-Nitrophenol              | 14.57 | 109  | 137460   | 21.432 | ng/ul# | 77       |
| 53) Dibenzofuran               | 14.75 | 168  | 1043527  | 19.791 | ng/ul  | 100      |
| 54) 2,4-Dinitrotoluene         | 14.72 | 165  | 248919   | 26.135 | ng/ul  | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 211690   | 20.731 | ng/ul# | 92       |
| 56) Diethylphthalate           | 15.18 | 149  | 860631   | 19.076 | ng/ul  | 95       |
| 58) Fluorene                   | 15.40 | 166  | 870827   | 20.054 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.40 | 204  | 462924   | 20.179 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.42 | 138  | 185913   | 22.168 | ng/ul  | 95       |
| 63) 4,6-Dinitro-2-methylphenol | 15.48 | 198  | 119885   | 19.737 | ng/ul# | 86       |
| 64) N-Nitrosodiphenylamine     | 15.62 | 169  | 744257   | 18.379 | ng/ul  | 94       |
| 65) 4-Bromophenyl-phenylether  | 16.29 | 248  | 293269   | 18.772 | ng/ul  | 95       |
| 66) Hexachlorobenzene          | 16.40 | 284  | 320762   | 19.024 | ng/ul# | 91       |
| 67) Atrazine                   | 16.57 | 200  | 290871   | 18.752 | ng/ul  | 90       |
| 68) Pentachlorophenol          | 16.74 | 266  | 150553   | 17.313 | ng/ul  | 96       |
| 69) Phenanthrene               | 17.14 | 178  | 1408853  | 19.419 | ng/ul  | 98       |
| 71) Anthracene                 | 17.23 | 178  | 1441596  | 19.150 | ng/ul  | 99       |
| 72) Carbazole                  | 17.50 | 167  | 1218747  | 18.722 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.07 | 149  | 1460103  | 17.608 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.15 | 202  | 1707896  | 19.476 | ng/ul# | 92       |
| 77) Pyrene                     | 19.52 | 202  | 1777034  | 20.557 | ng/ul# | 91       |
| 78) Butylbenzylphthalate       | 20.43 | 149  | 631477   | 17.581 | ng/ul  | 93       |
| 79) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 518792   | 18.182 | ng/ul  | 93       |
| 80) Benzo(a)anthracene         | 21.27 | 228  | 1668806  | 18.782 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 976917   | 18.454 | ng/ul  | 99       |
| 82) Chrysene                   | 21.32 | 228  | 1506715  | 18.287 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.09 | 149  | 1549997  | 20.342 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.84 | 252  | 1531246  | 20.492 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.89 | 252  | 1433321  | 20.835 | ng/ul# | 99       |
| 88) Benzo(a)pyrene             | 23.42 | 252  | 1364634  | 19.610 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.75 | 276  | 1340521  | 16.491 | ng/ul# | 93       |
| 90) Dibenzo(a,h)anthracene     | 25.76 | 278  | 1128213  | 16.384 | ng/ul# | 97       |
| 91) Benzo(g,h,i)perylene       | 26.43 | 276  | 1082467  | 16.027 | ng/ul# | 94       |
| -----                          |       |      |          |        |        |          |

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

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Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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Client Sample ID :  
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