

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072420\  
 Data File : BG046069.D  
 Acq On : 24 Jul 2020 18:19  
 Operator : CG/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02033

Manual Integrations  
 APPROVED

mohammad  
 7/27/2020 12:20:34 PM

Quant Time: Jul 24 18:56:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG072320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 24 10:06:58 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 85060    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.76 | 136  | 366227   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.59 | 164  | 252328   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.33 | 188  | 588710   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.58 | 240  | 590131   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.69 | 264  | 611736   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.42  | 96  | 13569  | 7.88  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.12  | 99  | 142596 | 21.36 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.29  | 67  | 86137  | 20.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.49  | 132 | 111784 | 20.92 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 117017 | 20.78 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.12  | 128 | 54067  | 20.91 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.84  | 143 | 59665  | 22.58 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.38 | 165 | 124026 | 20.73 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.88 | 131 | 137810 | 20.46 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.99 | 166 | 406938 | 20.68 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.28 | 160 | 487443 | 20.87 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.77 | 143 | 66043  | 20.55 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.58 | 176 | 375550 | 20.97 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.69 | 200 | 58897  | 19.99 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.42 | 188 | 561415 | 20.68 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.71 | 212 | 657393 | 21.06 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.48 | 264 | 697570 | 20.57 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.46  | 88  | 17090  | 8.104  | ng/uL 91  |
| 4) Benzaldehyde                | 7.10  | 77  | 99113  | 20.827 | ng/ul 97  |
| 6) Phenol                      | 7.15  | 94  | 145851 | 21.214 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.38  | 93  | 119899 | 21.307 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.53  | 128 | 113789 | 21.009 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.41  | 108 | 115682 | 20.881 | ng/ul 92  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.49  | 45  | 206443 | 21.707 | ng/ul 99  |
| 14) Acetophenone               | 8.78  | 105 | 177759 | 21.394 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.76  | 70  | 96495  | 21.463 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.73  | 108 | 126526 | 21.317 | ng/ul 94  |
| 17) Hexachloroethane           | 9.05  | 117 | 48427  | 21.070 | ng/ul 99  |
| 20) Nitrobenzene               | 9.16  | 77  | 137141 | 20.644 | ng/ul 99  |
| 21) Isophorone                 | 9.68  | 82  | 270790 | 20.858 | ng/ul 96  |
| 23) 2-Nitrophenol              | 9.87  | 139 | 66011  | 22.312 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.93  | 107 | 133372 | 20.344 | ng/ul 95  |
| 25) Bis(2-Chloroethoxy)methane | 10.17 | 93  | 165311 | 20.130 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.40 | 162 | 122487 | 20.777 | ng/ul 95  |
| 28) Naphthalene                | 10.81 | 128 | 393668 | 20.086 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.91 | 127 | 137150 | 21.168 | ng/ul 95  |
| 31) Hexachlorobutadiene        | 11.11 | 225 | 91570  | 20.185 | ng/ul 96  |
| 32) Caprolactam                | 11.66 | 113 | 40129m | 20.192 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 12.04 | 107 | 127850 | 21.151 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.42 | 142 | 302957 | 20.560 | ng/ul 97  |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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 QLast Update : Fri Jul 24 10:06:58 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 35) 1-Methylnaphthalene        | 12.64 | 142  | 299942   | 20.611 | ng/uL  | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.78 | 216  | 175424   | 20.110 | ng/uL  | 99       |
| 38) Hexachlorocyclopentadiene  | 12.77 | 237  | 100086   | 20.039 | ng/uL  | 98       |
| 39) 2,4,6-Trichlorophenol      | 13.02 | 196  | 108180   | 21.215 | ng/uL  | 98       |
| 40) 2,4,5-Trichlorophenol      | 13.09 | 196  | 116801   | 21.071 | ng/uL  | 97       |
| 41) 1,1'-Biphenyl              | 13.42 | 154  | 393905   | 20.177 | ng/uL  | 95       |
| 42) 2-Chloronaphthalene        | 13.46 | 162  | 319941   | 20.540 | ng/uL  | 99       |
| 43) 2-Nitroaniline             | 13.66 | 65   | 80613    | 21.954 | ng/uL  | 97       |
| 45) Dimethylphthalate          | 14.04 | 163  | 413672   | 20.960 | ng/uL  | 99       |
| 46) 2,6-Dinitrotoluene         | 14.15 | 165  | 82591    | 21.944 | ng/uL  | 97       |
| 48) Acenaphthylene             | 14.31 | 152  | 490742   | 20.536 | ng/uL  | 99       |
| 49) 3-Nitroaniline             | 14.48 | 138  | 72317    | 20.397 | ng/uL  | 97       |
| 50) Acenaphthene               | 14.65 | 153  | 350600   | 20.377 | ng/uL  | 99       |
| 51) 2,4-Dinitrophenol          | 14.68 | 184  | 30453    | 18.278 | ng/uL# | 85       |
| 53) 4-Nitrophenol              | 14.79 | 109  | 47872    | 20.757 | ng/uL  | 93       |
| 54) Dibenzofuran               | 14.99 | 168  | 481670   | 20.528 | ng/uL  | 99       |
| 55) 2,4-Dinitrotoluene         | 14.94 | 165  | 119855   | 22.362 | ng/uL  | 97       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.22 | 232  | 111694   | 21.610 | ng/uL  | 95       |
| 57) Diethylphthalate           | 15.41 | 149  | 414197   | 21.246 | ng/uL  | 99       |
| 59) Fluorene                   | 15.64 | 166  | 405670   | 20.388 | ng/uL  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.63 | 204  | 214404   | 20.510 | ng/uL  | 94       |
| 61) 4-Nitroaniline             | 15.64 | 138  | 82588    | 20.895 | ng/uL  | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.70 | 198  | 64650    | 20.600 | ng/uL  | 99       |
| 65) N-Nitrosodiphenylamine     | 15.84 | 169  | 353042   | 20.624 | ng/uL  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.53 | 248  | 149204   | 20.395 | ng/uL  | 93       |
| 67) Hexachlorobenzene          | 16.64 | 284  | 168071   | 20.352 | ng/uL  | 98       |
| 68) Atrazine                   | 16.79 | 200  | 141143   | 20.626 | ng/uL  | 98       |
| 69) Pentachlorophenol          | 16.98 | 266  | 85685    | 19.467 | ng/uL  | 94       |
| 70) Phenanthrene               | 17.37 | 178  | 674294   | 20.523 | ng/uL  | 99       |
| 72) Anthracene                 | 17.46 | 178  | 675169   | 20.624 | ng/uL  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.39 | 216  | 179769   | 20.335 | ng/uL  | 97       |
| 74) Pentachlorobenzene         | 14.91 | 250  | 181883   | 20.372 | ng/uL  | 96       |
| 75) Carbazole                  | 17.72 | 167  | 585148   | 22.274 | ng/uL  | 99       |
| 76) Di-n-butylphthalate        | 18.30 | 149  | 686092   | 21.226 | ng/uL  | 100      |
| 77) Fluoranthene               | 19.37 | 202  | 843190   | 23.396 | ng/uL  | 99       |
| 80) Pvrene                     | 19.74 | 202  | 832727   | 20.869 | ng/uL  | 99       |
| 81) Butylbenzylphthalate       | 20.64 | 149  | 293501   | 21.429 | ng/uL  | 95       |
| 82) 3,3'-Dichlorobenzidine     | 21.48 | 252  | 269747   | 21.296 | ng/uL  | 98       |
| 83) Benzo(a)anthracene         | 21.56 | 228  | 808868   | 20.813 | ng/uL  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.49 | 149  | 429663   | 21.565 | ng/uL  | 98       |
| 85) Chrysene                   | 21.62 | 228  | 788285   | 20.865 | ng/uL  | 99       |
| 87) Di-n-octyl phthalate       | 22.68 | 149  | 724588   | 22.668 | ng/uL  | 100      |
| 88) Benzo(b)fluoranthene       | 23.71 | 252  | 848913   | 20.541 | ng/uL  | 99       |
| 89) Benzo(k)fluoranthene       | 23.78 | 252  | 845625   | 20.839 | ng/uL  | 99       |
| 91) Benzo(a)pyrene             | 24.55 | 252  | 789557   | 20.833 | ng/uL  | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.21 | 276  | 971970   | 20.536 | ng/uL  | 99       |
| 93) Dibenzo(a,h)anthracene     | 28.28 | 278  | 793348   | 20.489 | ng/uL  | 99       |
| 94) Benzo(a,h,i)perylene       | 29.31 | 276  | 819518   | 20.485 | ng/uL  | 99       |
| -----                          |       |      |          |        |        |          |

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Data File : BG046069.D  
Acq On : 24 Jul 2020 18:19  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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|--------------------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

