Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031715\SOM01.2\
Data File : BG016060.D
Acq On : 17 Mar 2015 14:59
Operator : TP/IZ
Sample : SSTD01022
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD01022

Quant Time: Mar 21 00:33:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 21 00:15:08 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 64709 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.59 | 136 | 285273 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.43 | 164 | 175615 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.17 | 188 | 380473 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.34 | 240 | 447474 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.65 | 264 | 417491 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 6014 | 3.78 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.96 | 99 | 54782 | 8.71 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.14 | 67 | 30677 | 8.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.33 | 132 | 43543 | 9.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.50 | 113 | 41728 | 8.67 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.96 | 128 | 21590 | 9.17 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.68 | 143 | 19674 | 8.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.21 | 165 | 37520 | 8.88 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.72 | 131 | 54017 | 10.19 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.84 | 166 | 112914 | 9.67 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.13 | 160 | 158948 | 9.93 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.61 | 143 | 23616 | 8.20 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.42 | 176 | 113176 | 9.88 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 14598 | 6.97 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.27 | 188 | 177217 | 10.18 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.56 | 212 | 196555 | 9.87 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.49 | 264 | 176221 | 9.57 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.32 | 88 | 7791 | 4.27 | ng/uL | 98 |
| 4) Benzaldehyde | 6.95 | 77 | 33924 | 14.12 | ng/ul | 97 |
| 6) Phenol | 6.99 | 94 | 61233 | 9.21 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.23 | 93 | 49094 | 9.52 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.37 | 128 | 46514 | 9.67 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.24 | 108 | 43923 | 9.04 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.34 | 45 | 54779 | 7.98 | ng/ul | 99 |
| 14) Acetophenone | 8.62 | 105 | 67711 | 9.44 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.60 | 70 | 35341 | 8.38 | ng/ul | 95 |
| 16) 4-Methylphenol | 8.56 | 108 | 48797 | 9.03 | ng/ul | 96 |
| 17) Hexachloroethane | 8.88 | 117 | 18017 | 9.63 | ng/ul | 96 |
| 20) Nitrobenzene | 9.00 | 77 | 50175 | 9.32 | ng/ul | 97 |
| 21) Isophorone | 9.52 | 82 | 98145 | 8.97 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.71 | 139 | 23161 | 8.95 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 9.76 | 107 | 48168 | 9.20 | ng/ul | 94 |
| 25) Bis(2-Chloroethoxy)methane | 10.00 | 93 | 61911 | 9.59 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.24 | 162 | 40159 | 9.63 | ng/ul | 97 |
| 28) Naphthalene | 10.64 | 128 | 155334 | 10.40 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.75 | 127 | 55110 | 10.28 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.93 | 225 | 22491 | 10.20 | ng/ul | 98 |
| 32) Caprolactam | 11.49 | 113 | 17938 | 8.36 | ng/ul | 91 |
| 33) 4-Chloro-3-methylphenol | 11.87 | 107 | 42454 | 8.62 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.25 | 142 | 111411 | 10.45 | ng/ul | 94 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031715\SOM01.2\
Data File : BG016060.D
Acq On : 17 Mar 2015 14:59
Operator : TP/IZ
Sample : SSTD01022
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD01022

Quant Time: Mar 21 00:33:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 21 00:15:08 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.62 | 216 | 45924 | 10.08 | ng/ul# | 98 |
| 37) Hexachlorocyclopentadiene | 12.60 | 237 | 23425 | 8.49 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.86 | 196 | 27457 | 9.18 | ng/ul | 100 |
| 39) 2,4,5-Trichlorophenol | 12.93 | 196 | 27897 | 8.42 | ng/ul | 93 |
| 40) 1,1'-Biphenyl | 13.27 | 154 | 137436 | 10.29 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.31 | 162 | 103437 | 10.42 | ng/ul | 97 |
| 42) 2-Nitroaniline | 13.51 | 65 | 25446 | 7.91 | ng/ul | 93 |
| 44) Dimethylphthalate | 13.88 | 163 | 130702 | 10.22 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.01 | 165 | 24010 | 8.81 | ng/ul | 93 |
| 47) Acenaphthylene | 14.15 | 152 | 181100 | 10.42 | ng/ul | 98 |
| 48) 3-Nitroaniline | 14.33 | 138 | 27076 | 8.60 | ng/ul | 96 |
| 49) Acenaphthene | 14.50 | 153 | 120416 | 10.46 | ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 14.54 | 184 | 8134 | 6.24 | ng/ul | 94 |
| 52) 4-Nitrophenol | 14.63 | 109 | 13399 | 8.37 | ng/ul | 93 |
| 53) Dibenzofuran | 14.83 | 168 | 162597 | 10.51 | ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.79 | 165 | 35768 | 9.32 | ng/ul | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.05 | 232 | 25557 | 8.84 | ng/ul | 98 |
| 56) Diethylphthalate | 15.25 | 149 | 132718 | 10.06 | ng/ul | 99 |
| 58) Fluorene | 15.48 | 166 | 140908 | 10.43 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.48 | 204 | 62615 | 10.06 | ng/ul | 99 |
| 60) 4-Nitroaniline | 15.49 | 138 | 35401 | 9.47 | ng/ul | 98 |
| 63) 4,6-Dinitro-2-methylphenol | 15.55 | 198 | 17229 | 7.36 | ng/ul | 94 |
| 64) N-Nitrosodiphenylamine | 15.69 | 169 | 119660 | 10.05 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.37 | 248 | 39270 | 9.92 | ng/ul | 94 |
| 66) Hexachlorobenzene | 16.48 | 284 | 44400 | 9.96 | ng/ul | 93 |
| 67) Atrazine | 16.63 | 200 | 41006 | 10.02 | ng/ul | 99 |
| 68) Pentachlorophenol | 16.82 | 266 | 18795 | 7.45 | ng/ul | 98 |
| 69) Phenanthrene | 17.21 | 178 | 222495 | 10.75 | ng/ul | 99 |
| 71) Anthracene | 17.30 | 178 | 227868 | 10.69 | ng/ul | 98 |
| 72) Carbazole | 17.57 | 167 | 216644 | 10.52 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.14 | 149 | 254999 | 10.61 | ng/ul | 99 |
| 74) Fluoranthene | 19.22 | 202 | 256803 | 10.97 | ng/ul | 99 |
| 77) Pyrene | 19.59 | 202 | 282126 | 10.71 | ng/ul | 99 |
| 78) Butylbenzylphthalate | 20.49 | 149 | 104082 | 8.92 | ng/ul | 97 |
| 79) 3,3'-Dichlorobenzidine | 21.26 | 252 | 63664 | 7.56 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.33 | 228 | 260898 | 10.55 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.26 | 149 | 144873 | 9.32 | ng/ul | 98 |
| 82) Chrysene | 21.38 | 228 | 248173 | 10.71 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.16 | 149 | 237261 | 9.54 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 22.95 | 252 | 240943 | 10.20 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 22.99 | 252 | 232880 | 10.22 | ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.54 | 252 | 239567 | 10.45 | ng/ul | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 26.00 | 276 | 264642 | 9.67 | ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 26.01 | 278 | 224145 | 9.75 | ng/ul | 99 |
| 91) Benzo(g,h,i)perylene | 26.73 | 276 | 226942 | 9.94 | ng/ul | 100 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031715\SOM01.2\
Data File : BG016060.D
Acq On : 17 Mar 2015 14:59
Operator : TP/IZ
Sample : SSTD01022
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01022

Quant Time: Mar 21 00:33:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 21 00:15:08 2015
Response via : Initial Calibration