Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018689.D
Acq On : 15 Sep 2015 19:03
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02093

**Manual Integrations APPROVED**
MMDadoda
9/16/2015 1:25:08 PM

Quant Time: Sep 15 19:38:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 10 15:37:55 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 87004 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.81 | 136 | 389997 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.63 | 164 | 267743 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.37 | 188 | 668064 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.63 | 240 | 708628 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.82 | 264 | 727031 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.44 | 96 | 13408 | 7.41 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.16 | 99 | 150144 | 21.02 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.32 | 67 | 84105 | 20.31 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.53 | 132 | 116543 | 21.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.70 | 113 | 123981 | 21.39 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.16 | 128 | 59758 | 20.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.88 | 143 | 62658 | 21.09 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.43 | 165 | 135825 | 21.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.94 | 131 | 164263 | 22.57 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.03 | 166 | 407522 | 18.91 | ng/ul | -0.01 |
| 47) Acenaphthylene-d8 | 14.32 | 160 | 517951 | 20.29 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.82 | 143 | 79820 | 19.30 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.62 | 176 | 378326 | 20.08 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 200 | 65022 | 20.56 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.47 | 188 | 609604 | 20.73 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.75 | 212 | 659573 | 20.23 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12 | 24.60 | 264 | 735473 | 20.79 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 15591 | 7.97 | ng/uL# | 70 |
| 4) Benzaldehyde | 7.14 | 77 | 97733 | 23.65 | ng/ul | 99 |
| 6) Phenol | 7.19 | 94 | 155961 | 21.10 | ng/ul | 94 |
| 8) Bis(2-Chloroethyl)ether | 7.42 | 93 | 114249 | 20.70 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.56 | 128 | 116480 | 20.80 | ng/ul | 93 |
| 11) 2-Methylphenol | 8.44 | 108 | 121506 | 21.38 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 134493 | 20.53 | ng/ul# | 93 |
| 14) Acetophenone | 8.82 | 105 | 182183 | 20.64 | ng/ul# | 92 |
| 15) N-Nitroso-di-n-propylamine | 8.80 | 70 | 89490 | 19.65 | ng/ul# | 85 |
| 16) 4-Methylphenol | 8.77 | 108 | 134080 | 21.46 | ng/ul | 97 |
| 17) Hexachloroethane | 9.09 | 117 | 45339 | 20.31 | ng/ul# | 79 |
| 20) Nitrobenzene | 9.20 | 77 | 132716 | 19.37 | ng/ul# | 86 |
| 21) Isophorone | 9.72 | 82 | 260954 | 18.69 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.91 | 139 | 69392 | 20.72 | ng/ul# | 85 |
| 24) 2,4-Dimethylphenol | 9.97 | 107 | 142889 | 20.58 | ng/ul | 93 |
| 25) Bis(2-Chloroethoxy)methane | 10.21 | 93 | 158094 | 19.21 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 10.45 | 162 | 129482 | 20.68 | ng/ul | 96 |
| 28) Naphthalene | 10.85 | 128 | 401762 | 20.24 | ng/ul | 97 |
| 30) 4-Chloroaniline | 10.96 | 127 | 170144 | 22.60 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 11.14 | 225 | 79062 | 20.46 | ng/ul | 98 |
| 32) Caprolactam | 11.71 | 113 | 46916m | 18.30 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.08 | 107 | 142042 | 21.28 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.46 | 142 | 297039 | 20.26 | ng/ul | 94 |

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

**Instrument :** BNA_G
**ClientSampleId :** SSTD02093

**Manual Integrations APPROVED**
MMDadoda
9/16/2015 1:25:08 PM

Quant Time: Sep 15 19:38:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 10 15:37:55 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.68 | 142 | 286182 | 20.37 | ng/ul# | 97 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 162625 | 19.59 | ng/ul# | 96 |
| 38) Hexachlorocyclopentadiene | 12.81 | 237 | 83777 | 18.15 | ng/ul | 94 |
| 39) 2,4,6-Trichlorophenol | 13.06 | 196 | 113619 | 21.08 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 13.13 | 196 | 124958 | 21.53 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.46 | 154 | 397779 | 19.63 | ng/ul | 97 |
| 42) 2-Chloronaphthalene | 13.50 | 162 | 311848 | 20.19 | ng/ul | 97 |
| 43) 2-Nitroaniline | 13.70 | 65 | 89879 | 19.63 | ng/ul# | 77 |
| 45) Dimethylphthalate | 14.08 | 163 | 399633 | 19.13 | ng/ul# | 99 |
| 46) 2,6-Dinitrotoluene | 14.20 | 165 | 85540 | 20.36 | ng/ul | 88 |
| 48) Acenaphthylene | 14.35 | 152 | 545222 | 20.07 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.53 | 138 | 96914 | 21.73 | ng/ul | 83 |
| 50) Acenaphthene | 14.69 | 153 | 365389 | 19.97 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.73 | 184 | 32178 | 17.03 | ng/ul# | 82 |
| 53) 4-Nitrophenol | 14.84 | 109 | 52399 | 18.48 | ng/ul | 90 |
| 54) Dibenzofuran | 15.03 | 168 | 515612 | 20.08 | ng/ul | 95 |
| 55) 2,4-Dinitrotoluene | 14.98 | 165 | 127719 | 20.42 | ng/ul | 87 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 114103 | 20.36 | ng/ul | 92 |
| 57) Diethylphthalate | 15.44 | 149 | 414385 | 19.09 | ng/ul | 98 |
| 59) Fluorene | 15.67 | 166 | 436557 | 20.13 | ng/ul | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204 | 211356 | 20.44 | ng/ul | 90 |
| 61) 4-Nitroaniline | 15.69 | 138 | 105341 | 20.54 | ng/ul | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.75 | 198 | 65319 | 20.13 | ng/ul# | 87 |
| 65) N-Nitrosodiphenylamine | 15.88 | 169 | 374053 | 21.38 | ng/ul | 96 |
| 66) 4-Bromophenyl-phenylether | 16.56 | 248 | 136978 | 20.93 | ng/ul | 95 |
| 67) Hexachlorobenzene | 16.68 | 284 | 154085 | 21.23 | ng/ul | 94 |
| 68) Atrazine | 16.82 | 200 | 162298 | 21.06 | ng/ul | 97 |
| 69) Pentachlorophenol | 17.02 | 266 | 75118 | 17.76 | ng/ul | 92 |
| 70) Phenanthrene | 17.41 | 178 | 700880 | 20.64 | ng/ul | 98 |
| 72) Anthracene | 17.51 | 178 | 714658 | 20.98 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.43 | 216 | 164550 | 20.70 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.95 | 250 | 169501 | 21.83 | ng/uL | 96 |
| 75) Carbazole | 17.77 | 167 | 648982 | 21.45 | ng/ul | 100 |
| 76) Di-n-butylphthalate | 18.33 | 149 | 779009 | 20.39 | ng/ul | 99 |
| 77) Fluoranthene | 19.42 | 202 | 826064 | 21.94 | ng/ul | 97 |
| 80) Pyrene | 19.78 | 202 | 843946 | 20.25 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.66 | 149 | 336597 | 21.05 | ng/ul | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 294255 | 23.42 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.61 | 228 | 805733 | 20.51 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 500924 | 21.14 | ng/ul# | 98 |
| 85) Chrysene | 21.68 | 228 | 750563 | 20.71 | ng/ul | 98 |
| 87) Di-n-octyl phthalate | 22.72 | 149 | 853041 | 22.17 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.80 | 252 | 850659 | 20.69 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 23.87 | 252 | 777561 | 19.75 | ng/ul | 98 |
| 91) Benzo(a)pyrene | 24.67 | 252 | 791857 | 20.27 | ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 28.44 | 276 | 932334 | 20.58 | ng/ul | 100 |
| 93) Dibenzo(a,h)anthracene | 28.50 | 278 | 764552 | 21.03 | ng/ul | 96 |
| 94) Benzo(g,h,i)perylene | 29.57 | 276 | 760557 | 20.11 | ng/ul | 99 |

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Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018689.D
Acq On : 15 Sep 2015 19:03
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02093

**Manual Integrations APPROVED**
MMDadoda
9/16/2015 1:25:08 PM

Quant Time: Sep 15 19:38:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 10 15:37:55 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

Quantitation Report (QT Reviewed)

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Operator : UM/IZ
Sample : SSTDCCC020
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ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 15 19:38:38 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 10 15:37:55 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02093

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