Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG100815\
Data File : BG019069.D
Acq On : 8 Oct 2015 16:16
Operator : UM/NP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02040

**Manual Integrations APPROVED**
MMdadoda
10/9/2015 1:49:45 PM

Quant Time: Oct 09 02:21:19 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 07 01:38:48 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 26862 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.85 | 136 | 121240 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.67 | 164 | 84171 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.42 | 188 | 203983 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.69 | 240 | 232498 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.92 | 264 | 223323 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.48 | 96 | 3514 | 5.91 | ng/uL | -0.01 |
| 5) Phenol-d5 | 7.20 | 99 | 44801 | 19.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.36 | 67 | 29695 | 19.82 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.57 | 132 | 33973 | 19.55 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8 | 8.74 | 113 | 37981 | 20.87 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.20 | 128 | 17575 | 19.17 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.92 | 143 | 20947 | 22.22 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.47 | 165 | 39267 | 20.81 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.98 | 131 | 53801 | 23.37 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.07 | 166 | 136805 | 20.61 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.36 | 160 | 158513 | 19.31 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.86 | 143 | 26200 | 19.54 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.66 | 176 | 117782 | 19.60 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.77 | 200 | 24230 | 21.90 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.51 | 188 | 191045 | 19.89 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.80 | 212 | 230692 | 21.42 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.70 | 264 | 224168 | 19.62 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 4211 | 6.44 | ng/uL | 95 |
| 4) Benzaldehyde | 7.17 | 77 | 28489 | 20.77 | ng/ul | 95 |
| 6) Phenol | 7.23 | 94 | 45436 | 19.24 | ng/ul# | 85 |
| 8) Bis(2-Chloroethyl)ether | 7.46 | 93 | 33697 | 18.93 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.60 | 128 | 34282 | 18.99 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.48 | 108 | 37614 | 20.66 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 75806 | 21.70 | ng/ul | 97 |
| 14) Acetophenone | 8.86 | 105 | 62420 | 22.15 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.84 | 70 | 33178 | 21.89 | ng/ul | 95 |
| 16) 4-Methylphenol | 8.81 | 108 | 42047 | 20.95 | ng/ul | 97 |
| 17) Hexachloroethane | 9.13 | 117 | 14896 | 20.74 | ng/ul | 90 |
| 20) Nitrobenzene | 9.24 | 77 | 47816 | 20.96 | ng/ul | 95 |
| 21) Isophorone | 9.77 | 82 | 97167 | 21.83 | ng/ul# | 97 |
| 23) 2-Nitrophenol | 9.95 | 139 | 20928 | 20.67 | ng/ul | 89 |
| 24) 2,4-Dimethylphenol | 10.01 | 107 | 49848 | 21.70 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.25 | 93 | 51285 | 19.49 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.49 | 162 | 38940 | 20.18 | ng/ul | 98 |
| 28) Naphthalene | 10.89 | 128 | 122389 | 19.50 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.00 | 127 | 56006 | 23.54 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 11.18 | 225 | 27046 | 21.99 | ng/ul | 92 |
| 32) Caprolactam | 11.76 | 113 | 14870 | 22.86 | ng/ul | 80 |
| 33) 4-Chloro-3-methylphenol | 12.12 | 107 | 47291 | 22.35 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.50 | 142 | 96315 | 20.48 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.72 | 142 | 95724 | 20.75 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 51409 | 18.81 | ng/ul# | 98 |
| 38) Hexachlorocyclopentadiene | 12.84 | 237 | 30292 | 17.24 | ng/ul | 97 |
| 39) 2,4,6-Trichlorophenol | 13.10 | 196 | 33758 | 19.00 | ng/ul | 97 |
| 40) 2,4,5-Trichlorophenol | 13.17 | 196 | 37910 | 19.88 | ng/ul | 97 |
| 41) 1,1'-Biphenyl | 13.50 | 154 | 129005 | 18.80 | ng/ul | 96 |
| 42) 2-Chloronaphthalene | 13.54 | 162 | 100417 | 18.85 | ng/ul | 96 |
| 43) 2-Nitroaniline | 13.74 | 65 | 38101 | 22.02 | ng/ul | 89 |
| 45) Dimethylphthalate | 14.12 | 163 | 137307 | 20.26 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 14.24 | 165 | 27416 | 21.04 | ng/ul | 92 |
| 48) Acenaphthylene | 14.39 | 152 | 167868 | 19.10 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.57 | 138 | 27999 | 21.75 | ng/ul | 96 |
| 50) Acenaphthene | 14.73 | 153 | 113357 | 19.01 | ng/ul | 98 |
| 51) 2,4-Dinitrophenol | 14.77 | 184 | 14840 | 19.67 | ng/ul | 94 |
| 53) 4-Nitrophenol | 14.88 | 109 | 23840 | 23.25 | ng/ul# | 82 |
| 54) Dibenzofuran | 15.07 | 168 | 156509 | 19.29 | ng/ul | 95 |
| 55) 2,4-Dinitrotoluene | 15.02 | 165 | 42140 | 22.11 | ng/ul# | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 36164 | 20.55 | ng/ul | 93 |
| 57) Diethylphthalate | 15.48 | 149 | 145110 | 21.34 | ng/ul | 98 |
| 59) Fluorene | 15.71 | 166 | 134150 | 19.62 | ng/ul | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 67455 | 19.97 | ng/ul | 95 |
| 61) 4-Nitroaniline | 15.73 | 138 | 30878 | 21.23 | ng/ul | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 24869 | 21.28 | ng/ul | 98 |
| 65) N-Nitrosodiphenylamine | 15.92 | 169 | 117653 | 19.83 | ng/ul | 96 |
| 66) 4-Bromophenyl-phenylether | 16.60 | 248 | 45273 | 20.34 | ng/ul | 94 |
| 67) Hexachlorobenzene | 16.72 | 284 | 52746 | 20.83 | ng/ul | 100 |
| 68) Atrazine | 16.87 | 200 | 55695 | 22.62 | ng/ul | 99 |
| 69) Pentachlorophenol | 17.06 | 266 | 28278 | 17.79 | ng/ul | 94 |
| 70) Phenanthrene | 17.46 | 178 | 227720 | 19.81 | ng/ul | 99 |
| 72) Anthracene | 17.54 | 178 | 230303 | 19.88 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.47 | 216 | 52729 | 19.17 | ng/uL | 95 |
| 74) Pentachlorobenzene | 14.98 | 250 | 54319 | 20.26 | ng/uL | 95 |
| 75) Carbazole | 17.82 | 167 | 211068 | 21.12 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.37 | 149 | 266538 | 20.86 | ng/ul# | 97 |
| 77) Fluoranthene | 19.47 | 202 | 291638 | 21.79 | ng/ul# | 95 |
| 80) Pyrene | 19.83 | 202 | 296499 | 21.19 | ng/ul | 95 |
| 81) Butylbenzylphthalate | 20.72 | 149 | 117201 | 22.09 | ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.58 | 252 | 92126 | 21.41 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.67 | 228 | 266870 | 19.89 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 159214 | 20.67 | ng/ul | 98 |
| 85) Chrysene | 21.73 | 228 | 250633 | 19.79 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.80 | 149 | 271317 | 21.40 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.90 | 252 | 260267m | 19.78 | ng/ul | |
| 89) Benzo(k)fluoranthene | 23.97 | 252 | 242952 | 18.96 | ng/ul | 97 |
| 91) Benzo(a)pyrene | 24.77 | 252 | 247341 | 19.41 | ng/ul# | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 28.61 | 276 | 287476 | 19.68 | ng/ul | 96 |
| 93) Dibenzo(a,h)anthracene | 28.67 | 278 | 251174 | 19.90 | ng/ul | 95 |
| 94) Benzo(g,h,i)perylene | 29.75 | 276 | 238260 | 19.59 | ng/ul | 97 |

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|---|---|---|---|---|---|---|

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

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