Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020471.D
Acq On : 24 Dec 2015 12:09
Operator : UM/SJ
Sample : SSTD04004
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 24 12:49:28 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 12:16:41 2015
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** SSTD04004

**Manual Integrations APPROVED**
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12/28/2015 6:02:49 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.08 | 152 | 20770 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.90 | 136 | 84747 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.71 | 164 | 58975 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.46 | 188 | 155103 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.74 | 240 | 199382 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.00 | 264 | 195663 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.45 | 96 | 6243 | 41.03 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.24 | 99 | 66362 | 43.80 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.40 | 67 | 40255 | 42.88 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.61 | 132 | 52643 | 42.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.79 | 113 | 56155 | 43.56 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.25 | 128 | 27466 | 41.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.97 | 143 | 32324 | 44.71 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.52 | 165 | 60541 | 42.35 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.03 | 131 | 71834 | 44.76 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.11 | 166 | 193618 | 39.16 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.41 | 160 | 224540 | 39.39 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.92 | 143 | 34382 | 49.09 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.71 | 176 | 175176 | 39.19 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.82 | 200 | 41925 | 47.24 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.56 | 188 | 288367 | 38.98 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.84 | 212 | 347148 | 39.67 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.78 | 264 | 394721 | 39.71 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 6881 | 39.86 | ng/uL | 97 |
| 4) Benzaldehyde | 7.21 | 77 | 44902 | 42.91 | ng/ul | 97 |
| 6) Phenol | 7.26 | 94 | 70219 | 44.98 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.49 | 93 | 52890 | 43.33 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.64 | 128 | 54572 | 41.69 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.52 | 108 | 54194 | 44.52 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.61 | 45 | 66027 | 40.70 | ng/ul | 96 |
| 14) Acetophenone | 8.91 | 105 | 89976 | 42.20 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.89 | 70 | 46433 | 41.86 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.86 | 108 | 58325 | 43.09 | ng/ul | 94 |
| 17) Hexachloroethane | 9.17 | 117 | 22941 | 41.06 | ng/ul | 99 |
| 20) Nitrobenzene | 9.29 | 77 | 67998 | 41.29 | ng/ul | 98 |
| 21) Isophorone | 9.81 | 82 | 126451 | 40.52 | ng/ul | 99 |
| 23) 2-Nitrophenol | 10.01 | 139 | 33498 | 43.37 | ng/ul | 93 |
| 24) 2,4-Dimethylphenol | 10.06 | 107 | 70109 | 42.18 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 10.30 | 93 | 69121 | 39.64 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 10.54 | 162 | 61958 | 42.28 | ng/ul | 96 |
| 28) Naphthalene | 10.95 | 128 | 179624 | 39.39 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.05 | 127 | 71618 | 43.78 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 11.22 | 225 | 51231 | 40.83 | ng/ul | 96 |
| 32) Caprolactam | 11.83 | 113 | 19105m | 43.56 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.18 | 107 | 65509 | 42.77 | ng/ul | 93 |
| 34) 2-Methylnaphthalene | 12.55 | 142 | 133627 | 40.01 | ng/ul | 96 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.76 | 142 | 126335 | 39.69 | ng/ul | 97 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.91 | 216 | 95979 | 39.89 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.89 | 237 | 53633 | 53.62 | ng/ul | 95 |
| 39) 2,4,6-Trichlorophenol | 13.15 | 196 | 58382 | 41.93 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 13.23 | 196 | 63641 | 50.83 | ng/ul | 95 |
| 41) 1,1'-Biphenyl | 13.55 | 154 | 182951 | 39.94 | ng/ul | 96 |
| 42) 2-Chloronaphthalene | 13.59 | 162 | 146764 | 39.42 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.80 | 65 | 44360 | 45.03 | ng/ul | 95 |
| 45) Dimethylphthalate | 14.16 | 163 | 197922 | 39.41 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.29 | 165 | 42623 | 43.67 | ng/ul | 98 |
| 48) Acenaphthylene | 14.44 | 152 | 238005 | 39.74 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.62 | 138 | 40584 | 44.91 | ng/ul | 90 |
| 50) Acenaphthene | 14.78 | 153 | 160884 | 39.77 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.83 | 184 | 27461 | 61.20 | ng/ul | 93 |
| 53) 4-Nitrophenol | 14.94 | 109 | 31257 | 49.18 | ng/ul | 94 |
| 54) Dibenzofuran | 15.11 | 168 | 237912 | 39.34 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 15.08 | 165 | 62342 | 41.88 | ng/ul | 92 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.34 | 232 | 63806 | 42.81 | ng/ul# | 98 |
| 57) Diethylphthalate | 15.53 | 149 | 203660 | 39.60 | ng/ul | 98 |
| 59) Fluorene | 15.76 | 166 | 192968 | 39.29 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.75 | 204 | 110745 | 39.05 | ng/ul | 96 |
| 61) 4-Nitroaniline | 15.79 | 138 | 44211 | 45.04 | ng/ul | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 45137 | 46.82 | ng/ul | 95 |
| 65) N-Nitrosodiphenylamine | 15.96 | 169 | 173335 | 39.82 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.64 | 248 | 78558 | 41.19 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.76 | 284 | 85639 | 39.41 | ng/ul# | 89 |
| 68) Atrazine | 16.91 | 200 | 76733 | 40.34 | ng/ul | 99 |
| 69) Pentachlorophenol | 17.11 | 266 | 46933 | 47.20 | ng/ul | 95 |
| 70) Phenanthrene | 17.51 | 178 | 339993 | 38.01 | ng/ul | 100 |
| 72) Anthracene | 17.59 | 178 | 346978 | 38.29 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.52 | 216 | 104859 | 40.81 | ng/uL | 99 |
| 74) Pentachlorobenzene | 15.03 | 250 | 95488 | 39.87 | ng/uL | 90 |
| 75) Carbazole | 17.86 | 167 | 302475 | 39.99 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.41 | 149 | 347653 | 38.17 | ng/ul | 100 |
| 77) Fluoranthene | 19.51 | 202 | 438925 | 37.98 | ng/ul | 97 |
| 80) Pyrene | 19.87 | 202 | 442648 | 37.89 | ng/ul | 97 |
| 81) Butylbenzylphthalate | 20.74 | 149 | 162869 | 40.57 | ng/ul | 93 |
| 82) 3,3'-Dichlorobenzidine | 21.63 | 252 | 166416 | 41.46 | ng/ul | 96 |
| 83) Benzo(a)anthracene | 21.72 | 228 | 465743 | 39.00 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 233612 | 39.47 | ng/ul | 99 |
| 85) Chrysene | 21.78 | 228 | 437517 | 38.05 | ng/ul | 98 |
| 87) Di-n-octyl phthalate | 22.83 | 149 | 406305 | 39.33 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 461747 | 38.83 | ng/ul# | 96 |
| 89) Benzo(k)fluoranthene | 24.03 | 252 | 455699m | 39.19 | ng/ul | |
| 91) Benzo(a)pyrene | 24.85 | 252 | 444507 | 38.82 | ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 28.73 | 276 | 540553 | 39.99 | ng/ul | 95 |
| 93) Dibenzo(a,h)anthracene | 28.80 | 278 | 453184 | 40.57 | ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 29.91 | 276 | 443372 | 39.94 | ng/ul | 98 |

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

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

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