Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
Data File : BG021837.D
Acq On : 11 May 2016 10:22
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02016

Manual Integrations APPROVED
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5/12/2016 7:24:26 PM

Quant Time: May 12 07:32:49 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 04:46:15 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.18 | 152 | 54045 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.00 | 136 | 272002 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.80 | 164 | 163875 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.55 | 188 | 380483 | 20.00 | ng/ul | 0.00 |
| 76) Chrysene-d12 | 21.83 | 240 | 395943 | 20.00 | ng/ul | 0.00 |
| 84) Perylene-d12 | 25.17 | 264 | 377271 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.56 | 96 | 8370 | 7.48 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.33 | 99 | 82804 | 20.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.50 | 67 | 41255 | 20.75 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.71 | 132 | 75738 | 24.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.88 | 113 | 74558 | 22.13 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.35 | 128 | 39089 | 21.86 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.08 | 143 | 41541 | 36.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.61 | 165 | 77677 | 24.32 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.14 | 131 | 107585m | 31.27 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.20 | 166 | 266688 | 23.17 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.50 | 160 | 338843 | 20.73 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.99 | 143 | 47353 | 24.00 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.79 | 176 | 238489 | 19.68 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 32843 | 31.16 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.65 | 188 | 363379 | 19.62 | ng/ul | 0.00 |
| 77) Pyrene-d10 | 19.92 | 212 | 386094 | 20.83 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12 | 24.94 | 264 | 354631 | 19.78 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 14923 | 7.19 | ng/uL# | 69 |
| 4) Benzaldehyde | 7.32 | 77 | 47797m | 109.64 | ng/ul | |
| 6) Phenol | 7.36 | 94 | 86216 | 20.21 | ng/ul# | 70 |
| 8) Bis(2-Chloroethyl)ether | 7.59 | 93 | 66080 | 19.03 | ng/ul# | 81 |
| 10) 2-Chlorophenol | 7.74 | 128 | 77063 | 24.56 | ng/ul# | 77 |
| 11) 2-Methylphenol | 8.62 | 108 | 71770 | 21.40 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.71 | 45 | 65667 | 21.54 | ng/ul# | 85 |
| 14) Acetophenone | 9.01 | 105 | 114935m | 20.71 | ng/ul | |
| 15) N-Nitroso-di-n-propylamine | 8.99 | 70 | 53740 | 21.43 | ng/ul# | 75 |
| 16) 4-Methylphenol | 8.94 | 108 | 80671 | 21.78 | ng/ul | 89 |
| 17) Hexachloroethane | 9.27 | 117 | 29106 | 20.94 | ng/ul | 98 |
| 20) Nitrobenzene | 9.39 | 77 | 69458 | 20.09 | ng/ul# | 76 |
| 21) Isophorone | 9.91 | 82 | 169040 | 21.05 | ng/ul# | 86 |
| 23) 2-Nitrophenol | 10.11 | 139 | 45131 | 33.12 | ng/ul# | 57 |
| 24) 2,4-Dimethylphenol | 10.15 | 107 | 81850 | 24.00 | ng/ul# | 74 |
| 25) Bis(2-Chloroethoxy)methane | 10.39 | 93 | 99950 | 20.73 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.64 | 162 | 77710 | 23.88 | ng/ul# | 93 |
| 28) Naphthalene | 11.05 | 128 | 272414 | 19.97 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.15 | 127 | 101055 | 29.01 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 11.33 | 225 | 42840 | 19.50 | ng/ul | 97 |
| 32) Caprolactam | 11.92 | 113 | 35173 | 25.56 | ng/ul# | 46 |
| 33) 4-Chloro-3-methylphenol | 12.26 | 107 | 78678 | 23.92 | ng/ul# | 69 |
| 34) 2-Methylnaphthalene | 12.64 | 142 | 204332 | 20.35 | ng/ul | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.86 | 142 | 200728 | 20.15 | ng/ul# | 97 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 97233 | 21.40 | ng/ul# | 93 |
| 38) Hexachlorocyclopentadiene | 12.98 | 237 | 55057 | 23.83 | ng/ul# | 90 |
| 39) 2,4,6-Trichlorophenol | 13.24 | 196 | 63788 | 29.40 | ng/ul | 97 |
| 40) 2,4,5-Trichlorophenol | 13.31 | 196 | 73657m | 24.24 | ng/ul | |
| 41) 1,1'-Biphenyl | 13.64 | 154 | 265564 | 20.80 | ng/ul | 95 |
| 42) 2-Chloronaphthalene | 13.69 | 162 | 198713 | 20.53 | ng/ul | 94 |
| 43) 2-Nitroaniline | 13.89 | 65 | 38912 | 24.43 | ng/ul# | 25 |
| 45) Dimethylphthalate | 14.25 | 163 | 261052 | 22.26 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.37 | 165 | 56960 | 24.61 | ng/ul# | 59 |
| 48) Acenaphthylene | 14.53 | 152 | 352490 | 21.02 | ng/ul | 98 |
| 49) 3-Nitroaniline | 14.71 | 138 | 53602 | 20.44 | ng/ul# | 63 |
| 50) Acenaphthene | 14.87 | 153 | 237731 | 20.44 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.91 | 184 | 17090 | 32.58 | ng/ul# | 42 |
| 53) 4-Nitrophenol | 15.00 | 109 | 17682 | 19.67 | ng/ul# | 28 |
| 54) Dibenzofuran | 15.20 | 168 | 313745m | 20.11 | ng/ul | |
| 55) 2,4-Dinitrotoluene | 15.15 | 165 | 78257 | 24.43 | ng/ul# | 55 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.42 | 232 | 63406 | 29.56 | ng/ul# | 86 |
| 57) Diethylphthalate | 15.60 | 149 | 271793 | 23.77 | ng/ul | 98 |
| 59) Fluorene | 15.85 | 166 | 268269 | 19.89 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204 | 124671 | 20.48 | ng/ul | 89 |
| 61) 4-Nitroaniline | 15.87 | 138 | 59241 | 19.77 | ng/ul# | 45 |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198 | 36301 | 31.60 | ng/ul# | 77 |
| 65) N-Nitrosodiphenylamine | 16.05 | 169 | 228752 | 20.59 | ng/ul | 92 |
| 66) 4-Bromophenyl-phenylether | 16.73 | 248 | 77665 | 19.49 | ng/ul# | 81 |
| 67) Hexachlorobenzene | 16.85 | 284 | 93468 | 20.36 | ng/ul# | 81 |
| 68) Atrazine | 16.99 | 200 | 84883 | 26.59 | ng/ul | 97 |
| 69) Pentachlorophenol | 17.19 | 266 | 47280 | 26.96 | ng/ul | 95 |
| 70) Phenanthrene | 17.59 | 178 | 427494 | 20.55 | ng/ul | 97 |
| 72) Anthracene | 17.68 | 178 | 433620 | 20.52 | ng/ul | 99 |
| 73) Carbazole | 17.95 | 167 | 402072 | 21.95 | ng/ul# | 96 |
| 74) Di-n-butylphthalate | 18.49 | 149 | 482403 | 28.98 | ng/ul# | 96 |
| 75) Fluoranthene | 19.58 | 202 | 481900 | 20.39 | ng/ul# | 94 |
| 78) Pyrene | 19.95 | 202 | 484099m | 21.13 | ng/ul | |
| 79) Butylbenzylphthalate | 20.82 | 149 | 205722 | 40.62 | ng/ul# | 79 |
| 80) 3,3'-Dichlorobenzidine | 21.72 | 252 | 160699 | 24.57 | ng/ul | 95 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 452421 | 20.53 | ng/ul | 99 |
| 82) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 308949 | 37.37 | ng/ul | 97 |
| 83) Chrysene | 21.88 | 228 | 439937 | 20.18 | ng/ul | 99 |
| 85) Di-n-octyl phthalate | 22.96 | 149 | 518664 | 33.35 | ng/ul | 100 |
| 86) Benzo(b)fluoranthene | 24.10 | 252 | 443434 | 20.53 | ng/ul# | 97 |
| 87) Benzo(k)fluoranthene | 24.17 | 252 | 460201 | 19.91 | ng/ul# | 95 |
| 89) Benzo(a)pyrene | 25.01 | 252 | 437781 | 20.36 | ng/ul# | 93 |
| 90) Indeno(1,2,3-cd)pyrene | 28.99 | 276 | 522597 | 20.51 | ng/ul# | 94 |
| 91) Dibenzo(a,h)anthracene | 29.06 | 278 | 428993 | 20.23 | ng/ul# | 96 |
| 92) Benzo(g,h,i)perylene | 30.20 | 276 | 430352 | 20.47 | ng/ul# | 90 |

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

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