Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021928.D
Acq On : 18 May 2016 9:37
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02012

Manual Integrations APPROVED
sohil
5/19/2016 7:12:12 PM

Quant Time: May 18 14:21:41 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 01:35:08 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 26848 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.98 | 136 | 141320 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.79 | 164 | 87736 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.53 | 188 | 195356 | 20.00 | ng/ul | 0.00 |
| 76) Chrysene-d12 | 21.82 | 240 | 163958 | 20.00 | ng/ul | 0.00 |
| 84) Perylene-d12 | 25.15 | 264 | 143103 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.54 | 96 | 4566 | 8.21 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.32 | 99 | 46887 | 23.54 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.49 | 67 | 26129 | 26.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.70 | 132 | 38359 | 24.81 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.87 | 113 | 41241 | 24.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.33 | 128 | 20767 | 22.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.06 | 143 | 22791 | 38.84 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.60 | 165 | 41002 | 24.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.12 | 131 | 54822 | 30.67 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.18 | 166 | 137950 | 22.39 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.48 | 160 | 175752 | 20.09 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.99 | 143 | 20014 | 18.95 | ng/ul | 0.01 |
| 58) Fluorene-d10 | 15.78 | 176 | 124581 | 19.20 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 18786 | 34.71 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.53 | 188 | 195356 | 20.54 | ng/ul | -0.10 |
| 77) Pyrene-d10 | 19.91 | 212 | 183456 | 23.90 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12 | 24.91 | 264 | 135483 | 19.93 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.57 | 88 | 7893 | 7.66 | ng/uL# | 77 |
| 4) Benzaldehyde | 7.39 | 77 | 405 | 1.87 | ng/ul | 88 |
| 6) Phenol | 7.34 | 94 | 47554 | 22.44 | ng/ul# | 80 |
| 8) Bis(2-Chloroethyl)ether | 7.57 | 93 | 37350 | 21.65 | ng/ul# | 80 |
| 10) 2-Chlorophenol | 7.73 | 128 | 39525 | 25.35 | ng/ul# | 86 |
| 11) 2-Methylphenol | 8.61 | 108 | 38487 | 23.10 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.70 | 45 | 46388 | 30.64 | ng/ul# | 93 |
| 14) Acetophenone | 8.99 | 105 | 62202 | 22.56 | ng/ul# | 73 |
| 15) N-Nitroso-di-n-propylamine | 8.97 | 70 | 34326 | 27.56 | ng/ul# | 83 |
| 16) 4-Methylphenol | 8.93 | 108 | 43282 | 23.52 | ng/ul | 82 |
| 17) Hexachloroethane | 9.25 | 117 | 15949 | 23.10 | ng/ul | 87 |
| 20) Nitrobenzene | 9.38 | 77 | 44399 | 24.72 | ng/ul# | 80 |
| 21) Isophorone | 9.89 | 82 | 101581 | 24.35 | ng/ul# | 91 |
| 23) 2-Nitrophenol | 10.09 | 139 | 23770 | 33.58 | ng/ul# | 68 |
| 24) 2,4-Dimethylphenol | 10.14 | 107 | 46462 | 26.22 | ng/ul# | 79 |
| 25) Bis(2-Chloroethoxy)methane | 10.38 | 93 | 56308 | 22.48 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 10.62 | 162 | 39071 | 23.11 | ng/ul | 94 |
| 28) Naphthalene | 11.03 | 128 | 143178 | 20.20 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.15 | 127 | 56375 | 31.15 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 11.31 | 225 | 21013 | 18.41 | ng/ul | 91 |
| 33) 4-Chloro-3-methylphenol | 12.25 | 107 | 47837 | 27.99 | ng/ul# | 76 |
| 34) 2-Methylnaphthalene | 12.63 | 142 | 104087 | 19.95 | ng/ul | 97 |
| 35) 1-Methylnaphthalene | 12.84 | 142 | 105566 | 20.40 | ng/ul# | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 37) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 44377 | 18.24 ng/ul | 95 |
| 38) Hexachlorocyclopentadiene | 12.97 | 237 | 22966 | 18.57 ng/ul | 93 |
| 39) 2,4,6-Trichlorophenol | 13.23 | 196 | 32584 | 28.05 ng/ul | 93 |
| 40) 2,4,5-Trichlorophenol | 13.30 | 196 | 32581 | 20.03 ng/ul | 92 |
| 41) 1,1'-Biphenyl | 13.63 | 154 | 136566 | 19.98 ng/ul | 96 |
| 42) 2-Chloronaphthalene | 13.67 | 162 | 105212 | 20.30 ng/ul | 97 |
| 45) Dimethylphthalate | 14.23 | 163 | 139834 | 22.28 ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 14.36 | 165 | 31566 | 25.48 ng/ul# | 70 |
| 48) Acenaphthylene | 14.51 | 152 | 185948 | 20.71 ng/ul | 99 |
| 49) 3-Nitroaniline | 14.69 | 138 | 28302 | 20.15 ng/ul# | 68 |
| 50) Acenaphthene | 14.85 | 153 | 128895 | 20.70 ng/ul | 98 |
| 51) 2,4-Dinitrophenol | 14.91 | 184 | 7663 | 27.28 ng/ul# | 66 |
| 54) Dibenzofuran | 15.18 | 168 | 160641 | 19.23 ng/ul | 92 |
| 55) 2,4-Dinitrotoluene | 15.15 | 165 | 41778 | 24.36 ng/ul# | 66 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 30281 | 26.36 ng/ul | 92 |
| 57) Diethylphthalate | 15.59 | 149 | 153047 | 25.00 ng/ul | 98 |
| 59) Fluorene | 15.83 | 166 | 139921 | 19.37 ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.82 | 204 | 61719 | 18.94 ng/ul | 96 |
| 61) 4-Nitroaniline | 15.86 | 138 | 31294 | 19.50 ng/ul# | 59 |
| 64) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 19450 | 32.98 ng/ul# | 88 |
| 65) N-Nitrosodiphenylamine | 16.03 | 169 | 119118 | 20.88 ng/ul | 88 |
| 67) Hexachlorobenzene | 16.84 | 284 | 40912 | 17.36 ng/ul | 92 |
| 68) Atrazine | 16.97 | 200 | 43494 | 26.54 ng/ul | 95 |
| 69) Pentachlorophenol | 17.18 | 266 | 18735 | 20.80 ng/ul | 100 |
| 70) Phenanthrene | 17.57 | 178 | 217852 | 20.40 ng/ul | 95 |
| 72) Anthracene | 17.67 | 178 | 219823 | 20.26 ng/ul | 99 |
| 73) Carbazole | 17.94 | 167 | 191973 | 20.41 ng/ul | 97 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 268579 | 31.42 ng/ul# | 97 |
| 75) Fluoranthene | 19.58 | 202 | 233313 | 19.23 ng/ul# | 91 |
| 78) Pyrene | 19.58 | 202 | 233313 | 24.60 ng/ul | 97 |
| 79) Butylbenzylphthalate | 20.81 | 149 | 114194 | 54.46 ng/ul | 86 |
| 80) 3,3'-Dichlorobenzidine | 21.70 | 252 | 68080 | 25.13 ng/ul | 94 |
| 81) Benzo(a)anthracene | 21.79 | 228 | 187498 | 20.55 ng/ul | 97 |
| 82) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 159530 | 46.60 ng/ul# | 99 |
| 83) Chrysene | 21.86 | 228 | 183092 | 20.29 ng/ul | 98 |
| 85) Di-n-octyl phthalate | 22.93 | 149 | 265367 | 44.98 ng/ul | 100 |
| 86) Benzo(b)fluoranthene | 24.08 | 252 | 172056 | 21.01 ng/ul# | 95 |
| 87) Benzo(k)fluoranthene | 24.15 | 252 | 164910 | 18.81 ng/ul# | 95 |
| 89) Benzo(a)pyrene | 24.99 | 252 | 167836 | 20.58 ng/ul# | 94 |
| 90) Indeno(1,2,3-cd)pyrene | 28.97 | 276 | 194121m | 20.09 ng/ul | |
| 91) Dibenzo(a,h)anthracene | 29.02 | 278 | 158222 | 19.67 ng/ul# | 95 |
| 92) Benzo(g,h,i)perylene | 30.16 | 276 | 162088 | 20.32 ng/ul# | 91 |

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

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