Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050317\
Data File : BG026862.D
Acq On : 3 May 2017 21:59
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD02073

Quant Time: May 04 00:52:06 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 04 00:50:13 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 180083 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.81 | 136 | 842451 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.62 | 164 | 444879 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.35 | 188 | 828049 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.60 | 240 | 761273 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 24.76 | 264 | 776748 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.43 | 96 | 30379 | 7.60 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.18 | 99 | 344451 | 21.43 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.33 | 67 | 201817 | 21.35 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.55 | 132 | 283363 | 20.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.72 | 113 | 273894 | 20.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.16 | 128 | 136992 | 19.45 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.89 | 143 | 152404 | 19.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.44 | 165 | 248750 | 20.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.94 | 131 | 353033 | 21.67 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.02 | 166 | 688478 | 19.23 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.32 | 160 | 917969 | 20.41 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.84 | 143 | 110297 | 17.09 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.61 | 176 | 600483 | 19.21 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 94305 | 18.76 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.45 | 188 | 811854 | 20.20 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.73 | 212 | 782779 | 19.48 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.54 | 264 | 748998 | 20.40 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.46 | 88 | 32478 | 7.12 | ng/uL# | 84 |
| 4) Benzaldehyde | 7.14 | 77 | 145166 | 18.69 | ng/ul# | 65 |
| 6) Phenol | 7.21 | 94 | 349807 | 21.47 | ng/ul# | 75 |
| 8) Bis(2-Chloroethyl)ether | 7.42 | 93 | 252031 | 20.04 | ng/ul | 91 |
| 10) 2-Chlorophenol | 7.58 | 128 | 272292 | 20.28 | ng/ul# | 84 |
| 11) 2-Methylphenol | 8.46 | 108 | 270991 | 21.02 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 293169 | 22.34 | ng/ul# | 89 |
| 14) Acetophenone | 8.82 | 105 | 394159 | 20.12 | ng/ul# | 75 |
| 15) N-Nitroso-di-n-propylamine | 8.80 | 70 | 185862 | 19.23 | ng/ul# | 71 |
| 16) 4-Methylphenol | 8.79 | 108 | 286366 | 20.31 | ng/ul | 97 |
| 17) Hexachloroethane | 9.09 | 117 | 99343 | 19.67 | ng/ul# | 69 |
| 20) Nitrobenzene | 9.20 | 77 | 278348 | 20.48 | ng/ul# | 79 |
| 21) Isophorone | 9.73 | 82 | 510547 | 19.57 | ng/ul# | 91 |
| 23) 2-Nitrophenol | 9.92 | 139 | 163305 | 20.28 | ng/ul# | 60 |
| 24) 2,4-Dimethylphenol | 9.99 | 107 | 297735 | 20.28 | ng/ul# | 81 |
| 25) Bis(2-Chloroethoxy)methane | 10.20 | 93 | 346258 | 19.43 | ng/ul# | 93 |
| 27) 2,4-Dichlorophenol | 10.46 | 162 | 249993 | 20.60 | ng/ul | 95 |
| 28) Naphthalene | 10.85 | 128 | 870203 | 19.84 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.97 | 127 | 333697 | 21.72 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 11.14 | 225 | 120544 | 19.64 | ng/ul | 92 |
| 32) Caprolactam | 11.71 | 113 | 88462 | 19.51 | ng/ul# | 66 |
| 33) 4-Chloro-3-methylphenol | 12.09 | 107 | 278906 | 21.19 | ng/ul | 87 |
| 34) 2-Methylnaphthalene | 12.45 | 142 | 631256 | 19.40 | ng/ul | 94 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.82 | 216 | 233438 | 19.90 | ng/ul | 96 |
| 37) Hexachlorocyclopentadiene | 12.81 | 237 | 109807 | 21.25 | ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 13.06 | 196 | 169409 | 20.99 | ng/ul | 94 |
| 39) 2,4,5-Trichlorophenol | 13.15 | 196 | 175544 | 21.05 | ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.45 | 154 | 754886 | 20.18 | ng/ul# | 95 |
| 41) 2-Chloronaphthalene | 13.50 | 162 | 563632 | 20.05 | ng/ul | 95 |
| 42) 2-Nitroaniline | 13.70 | 65 | 175159 | 21.81 | ng/ul# | 80 |
| 44) Dimethylphthalate | 14.06 | 163 | 668803 | 19.08 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.19 | 165 | 143726 | 19.43 | ng/ul# | 85 |
| 47) Acenaphthylene | 14.34 | 152 | 924271 | 20.17 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.52 | 138 | 154979 | 19.91 | ng/ul# | 85 |
| 49) Acenaphthene | 14.68 | 153 | 622939 | 19.55 | ng/ul | 96 |
| 50) 2,4-Dinitrophenol | 14.74 | 184 | 74050 | 19.58 | ng/ul# | 73 |
| 52) 4-Nitrophenol | 14.85 | 109 | 65682 | 17.35 | ng/ul# | 24 |
| 53) Dibenzofuran | 15.01 | 168 | 837710 | 19.75 | ng/ul | 94 |
| 54) 2,4-Dinitrotoluene | 14.98 | 165 | 201954 | 19.07 | ng/ul# | 78 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 127393 | 19.44 | ng/ul# | 80 |
| 56) Diethylphthalate | 15.42 | 149 | 703373 | 19.17 | ng/ul | 98 |
| 58) Fluorene | 15.66 | 166 | 670170 | 19.36 | ng/ul | 100 |
| 59) 4-Chlorophenyl-phenylether | 15.65 | 204 | 289381 | 19.17 | ng/ul | 94 |
| 60) 4-Nitroaniline | 15.68 | 138 | 148850 | 17.35 | ng/ul# | 48 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 99244 | 18.95 | ng/ul# | 94 |
| 64) N-Nitrosodiphenylamine | 15.86 | 169 | 561348 | 20.62 | ng/ul | 95 |
| 65) 4-Bromophenyl-phenylether | 16.54 | 248 | 168874 | 20.44 | ng/ul# | 83 |
| 66) Hexachlorobenzene | 16.67 | 284 | 175045 | 19.67 | ng/ul# | 90 |
| 67) Atrazine | 16.81 | 200 | 173934 | 20.45 | ng/ul | 95 |
| 68) Pentachlorophenol | 17.01 | 266 | 77147 | 18.98 | ng/ul# | 91 |
| 69) Phenanthrene | 17.39 | 178 | 938640 | 20.12 | ng/ul | 99 |
| 71) Anthracene | 17.49 | 178 | 960677 | 20.08 | ng/ul | 99 |
| 72) Carbazole | 17.75 | 167 | 881950 | 21.79 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.30 | 149 | 1134721 | 21.55 | ng/ul# | 95 |
| 74) Fluoranthene | 19.40 | 202 | 980095 | 22.63 | ng/ul# | 80 |
| 77) Pyrene | 19.76 | 202 | 995252 | 19.49 | ng/ul# | 75 |
| 78) Butylbenzylphthalate | 20.63 | 149 | 522560 | 22.03 | ng/ul# | 86 |
| 79) 3,3'-Dichlorobenzidine | 21.50 | 252 | 315867 | 21.58 | ng/ul# | 97 |
| 80) Benzo(a)anthracene | 21.58 | 228 | 903415 | 20.29 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.48 | 149 | 757930 | 22.39 | ng/ul# | 98 |
| 82) Chrysene | 21.64 | 228 | 820026 | 19.83 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.66 | 149 | 1301218 | 24.38 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.75 | 252 | 896314 | 20.19 | ng/ul# | 93 |
| 86) Benzo(k)fluoranthene | 23.82 | 252 | 895011 | 20.52 | ng/ul# | 93 |
| 88) Benzo(a)pyrene | 24.61 | 252 | 882348 | 20.20 | ng/ul# | 93 |
| 89) Indeno(1,2,3-cd)pyrene | 28.36 | 276 | 999510 | 19.30 | ng/ul# | 79 |
| 90) Dibenzo(a,h)anthracene | 28.40 | 278 | 843064 | 19.20 | ng/ul# | 85 |
| 91) Benzo(g,h,i)perylene | 29.47 | 276 | 795423 | 18.52 | ng/ul# | 81 |

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

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