Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
Data File : BG033143.D
Acq On : 14 Mar 2018 11:57
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
3/15/2018 6:59:57 PM

Quant Time: Mar 14 14:02:00 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 14 13:59:34 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.90 | 152 | 50732 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.79 | 136 | 243586 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.52 | 164 | 146772 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.25 | 188 | 338958 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.61 | 240 | 295934 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.41 | 264 | 317210 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.32 | 112 | 234801 | 74.05 | ng | | 0.00 |
| 7) Phenol-d6 | 8.01 | 99 | 330367 | 74.74 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.10 | 82 | 324139 | 91.49 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.99 | 330 | 152515 | 98.83 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.14 | 172 | 739127 | 72.63 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.76 | 244 | 990349 | 75.19 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.95 | 88 | 45640 | 33.163 | ng | | 94 |
| 3) Pyridine | 4.42 | 79 | 137353 | 36.211 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 4.32 | 42 | 68548 | 45.075 | ng | # | 79 |
| 6) Aniline | 8.19 | 93 | 219255 | 36.647 | ng | | 99 |
| 8) 2-Chlorophenol | 8.45 | 128 | 129752 | 37.383 | ng | | 98 |
| 9) Benzaldehyde | 8.00 | 77 | 100879 | 39.600 | ng | | 91 |
| 10) Phenol | 8.04 | 94 | 169741 | 38.096 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 8.28 | 93 | 128666 | 35.315 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.78 | 146 | 149477 | 36.769 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.93 | 146 | 149412 | 36.512 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 9.27 | 146 | 145670 | 37.148 | ng | | 94 |
| 15) Benzyl Alcohol | 9.13 | 79 | 132732 | 40.848 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.42 | 45 | 266206 | 42.503 | ng | | 99 |
| 17) 2-Methylphenol | 9.34 | 107 | 124685 | 37.949 | ng | | 100 |
| 18) Hexachloroethane | 10.03 | 117 | 54890 | 39.396 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 9.71 | 70 | 122332 | 39.204 | ng | # | 90 |
| 20) 3+4-Methylphenols | 9.67 | 107 | 178982 | 39.179 | ng | | 95 |
| 22) Acetophenone | 9.74 | 105 | 226012 | 36.740 | ng | # | 96 |
| 24) Nitrobenzene | 10.14 | 77 | 167271 | 43.717 | ng | | 95 |
| 25) Isophorone | 10.67 | 82 | 326688 | 38.210 | ng | | 96 |
| 26) 2-Nitrophenol | 10.87 | 139 | 81032 | 55.798 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.91 | 122 | 131983 | 35.536 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 11.14 | 93 | 175734 | 35.283 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 11.42 | 162 | 130768 | 38.793 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 11.63 | 180 | 142845 | 36.151 | ng | | 96 |
| 31) Naphthalene | 11.84 | 128 | 464262 | 36.475 | ng | | 99 |
| 32) Benzoic acid | 10.97 | 122 | 37939m | 23.118 | ng | | |
| 33) 4-Chloroaniline | 11.93 | 127 | 207173 | 36.403 | ng | | 98 |
| 34) Hexachlorobutadiene | 12.10 | 225 | 85458 | 38.557 | ng | | 96 |
| 35) Caprolactam | 12.69 | 113 | 57219 | 42.392 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 13.00 | 107 | 163595 | 41.704 | ng | | 97 |
| 37) 2-Methylnaphthalene | 13.39 | 142 | 341272 | 37.060 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.74 | 216 | 163621 | 37.554 | ng | # | 98 |
| 40) Hexachlorocyclopentadiene | 13.71 | 237 | 90552 | 40.781 | ng | | 88 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.97 | 196 | 114094 | 41.524 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 14.04 | 196 | 129561 | 40.741 | ng | | 95 |
| 45) 1,1'-Biphenyl | 14.36 | 154 | 455997 | 35.554 | ng | | 96 |
| 46) 2-Chloronaphthalene | 14.41 | 162 | 339625 | 35.449 | ng | | 94 |
| 47) 2-Nitroaniline | 14.60 | 65 | 126509 | 51.466 | ng | | 95 |
| 48) Acenaphthylene | 15.25 | 152 | 573945 | 36.591 | ng | | 98 |
| 49) Dimethylphthalate | 14.94 | 163 | 460109 | 36.920 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 15.08 | 165 | 97391 | 47.361 | ng | | 96 |
| 51) Acenaphthene | 15.58 | 154 | 362870 | 37.146 | ng | | 99 |
| 52) 3-Nitroaniline | 15.41 | 138 | 113490 | 45.028 | ng | # | 90 |
| 53) 2,4-Dinitrophenol | 15.61 | 184 | 30942 | 54.522 | ng | # | 64 |
| 54) Dibenzofuran | 15.91 | 168 | 507625 | 36.495 | ng | | 93 |
| 55) 4-Nitrophenol | 15.69 | 139 | 85209 | 45.138 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 15.85 | 165 | 137265 | 54.849 | ng | | 89 |
| 57) Fluorene | 16.55 | 166 | 423392 | 36.879 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.12 | 232 | 113530 | 45.982 | ng | | 91 |
| 59) Diethylphthalate | 16.28 | 149 | 502110 | 38.199 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.53 | 204 | 213561 | 38.026 | ng | | 91 |
| 61) 4-Nitroaniline | 16.56 | 138 | 119460 | 44.690 | ng | | 96 |
| 62) Azobenzene | 16.82 | 77 | 437212 | 37.180 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 16.61 | 198 | 64936 | 59.812 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 16.74 | 169 | 393199 | 35.659 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.42 | 248 | 135079 | 37.688 | ng | # | 90 |
| 67) Hexachlorobenzene | 17.55 | 284 | 147536 | 38.091 | ng | | 95 |
| 68) Atrazine | 17.66 | 200 | 128870 | 35.505 | ng | | 99 |
| 69) Pentachlorophenol | 17.89 | 266 | 95302 | 39.064 | ng | | 100 |
| 70) Phenanthrene | 18.29 | 178 | 678647 | 35.887 | ng | | 98 |
| 71) Anthracene | 18.38 | 178 | 685340 | 36.099 | ng | | 100 |
| 72) Carbazole | 18.64 | 167 | 660931 | 35.319 | ng | | 98 |
| 73) Di-n-butylphthalate | 19.13 | 149 | 830241 | 36.165 | ng | # | 98 |
| 74) Fluoranthene | 20.24 | 202 | 737083 | 35.286 | ng | | 96 |
| 76) Benzidine | 20.40 | 184 | 422865 | 41.920 | ng | | 99 |
| 77) Pyrene | 20.60 | 202 | 757416 | 36.293 | ng | | 99 |
| 79) Butylbenzylphthalate | 21.46 | 149 | 353923 | 38.250 | ng | | 93 |
| 80) Benzo(a)anthracene | 22.58 | 228 | 686222 | 36.161 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 22.47 | 252 | 264928 | 37.694 | ng | # | 99 |
| 82) Chrysene | 22.66 | 228 | 661161 | 36.473 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 22.40 | 149 | 503363 | 36.752 | ng | | 94 |
| 84) Di-n-octyl phthalate | 23.82 | 149 | 779095 | 37.319 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 30.83 | 276 | 784129 | 37.090 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 25.19 | 252 | 673338 | 35.901 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 25.27 | 252 | 673924 | 36.155 | ng | # | 97 |
| 89) Benzo(a)pyrene | 26.23 | 252 | 645625 | 36.191 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 30.91 | 278 | 656572 | 36.565 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 32.24 | 276 | 640969 | 36.211 | ng | | 97 |

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

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