Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062116\
Data File : BG022480.D
Acq On : 22 Jun 2016 00:14
Operator : UM/SJ
Sample : H3600-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PM-STA-1363(0-4)MS

Quant Time: Jun 22 13:51:13 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 02:15:22 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.98 | 152 | 21435 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.80 | 136 | 111943 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.63 | 164 | 69184 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.38 | 188 | 153260 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.64 | 240 | 132750 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.84 | 264 | 118521 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 186830 | 168.52 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 265620 | 152.39 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 163401 | 101.77 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.13 | 330 | 91020 | 116.43 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.25 | 172 | 432255 | 95.21 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.98 | 244 | 567218 | 101.44 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.33 | 88 | 18299 | 34.42 | ng | # | 64 |
| 3) Pyridine | 3.76 | 79 | 42042 | 29.27 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.67 | 42 | 15922 | 49.57 | ng | | 94 |
| 6) Aniline | 7.31 | 93 | 72530m | 32.75 | ng | | |
| 8) 2-Chlorophenol | 7.55 | 128 | 77639 | 50.67 | ng | # | 79 |
| 10) Phenol | 7.20 | 94 | 88942 | 49.49 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 7.40 | 93 | 70481 | 49.19 | ng | # | 74 |
| 12) 1,3-Dichlorobenzene | 7.87 | 146 | 65007 | 39.58 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 8.02 | 146 | 67697 | 41.37 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.34 | 146 | 68860 | 41.74 | ng | | 93 |
| 15) Benzyl Alcohol | 8.24 | 79 | 56082 | 49.80 | ng | # | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.52 | 45 | 75908 | 51.06 | ng | | 80 |
| 17) 2-Methylphenol | 8.46 | 107 | 69341 | 51.71 | ng | # | 84 |
| 18) Hexachloroethane | 9.06 | 117 | 25738 | 43.07 | ng | | 84 |
| 19) n-Nitroso-di-n-propylamine | 8.79 | 70 | 58822 | 49.85 | ng | # | 72 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 95038 | 49.41 | ng | | 93 |
| 22) Acetophenone | 8.82 | 105 | 116575 | 48.32 | ng | # | 83 |
| 24) Nitrobenzene | 9.20 | 77 | 81729 | 50.62 | ng | # | 84 |
| 25) Isophorone | 9.72 | 82 | 180575 | 48.07 | ng | # | 92 |
| 26) 2-Nitrophenol | 9.92 | 139 | 43973 | 50.22 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 9.98 | 122 | 83148 | 52.47 | ng | | 89 |
| 28) bis(2-Chloroethoxy)methane | 10.20 | 93 | 110164 | 51.19 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.47 | 162 | 74295 | 50.61 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 69814 | 42.56 | ng | | 95 |
| 31) Naphthalene | 10.85 | 128 | 271335 | 48.56 | ng | # | 94 |
| 32) Benzoic acid | 10.16 | 122 | 27238 | 49.33 | ng | # | 89 |
| 33) 4-Chloroaniline | 10.99 | 127 | 26089 | 11.23 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.12 | 225 | 34593 | 39.28 | ng | | 97 |
| 35) Caprolactam | 11.80 | 113 | 28356m | 35.21 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 90528 | 52.02 | ng | # | 84 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 195776 | 47.46 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 75371 | 42.32 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 12.80 | 237 | 29956 | 36.01 | ng | | 96 |
| 42) 2,4,6-Trichlorophenol | 13.08 | 196 | 57007 | 47.72 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 13.17 | 196 | 61597 | 46.67 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.46 | 154 | 253747 | 48.74 | ng | | 94 |
| 46) 2-Chloronaphthalene | 13.51 | 162 | 195593 | 49.01 | ng | | 97 |
| 47) 2-Nitroaniline | 13.73 | 65 | 50254 | 52.81 | ng | # | 58 |
| 48) Acenaphthylene | 14.36 | 152 | 349694 | 49.94 | ng | | 98 |
| 49) Dimethylphthalate | 14.09 | 163 | 270523 | 47.16 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.22 | 165 | 60880 | 48.82 | ng | # | 81 |
| 51) Acenaphthene | 14.70 | 154 | 207412 | 49.44 | ng | | 94 |
| 52) 3-Nitroaniline | 14.56 | 138 | 34923 | 25.25 | ng | # | 83 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 42804 | 83.50 | ng | # | 75 |
| 54) Dibenzofuran | 15.03 | 168 | 319717 | 48.83 | ng | | 98 |
| 55) 4-Nitrophenol | 14.91 | 139 | 61971 | 64.92 | ng | # | 69 |
| 56) 2,4-Dinitrotoluene | 15.01 | 165 | 84212 | 50.34 | ng | # | 90 |
| 57) Fluorene | 15.68 | 166 | 271790 | 48.19 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 49313m | 41.65 | ng | | |
| 59) Diethylphthalate | 15.44 | 149 | 294510 | 48.06 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204 | 117179 | 45.88 | ng | | 94 |
| 61) 4-Nitroaniline | 15.73 | 138 | 55764m | 38.01 | ng | | |
| 62) Azobenzene | 15.96 | 77 | 247884 | 53.42 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 36274 | 46.83 | ng | # | 84 |
| 65) n-Nitrosodiphenylamine | 15.88 | 169 | 229242 | 51.92 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.56 | 248 | 68087 | 47.41 | ng | | 98 |
| 67) Hexachlorobenzene | 16.68 | 284 | 69901 | 41.76 | ng | | 98 |
| 68) Atrazine | 16.83 | 200 | 69704 | 42.65 | ng | | 96 |
| 69) Pentachlorophenol | 17.04 | 266 | 41830 | 57.23 | ng | | 96 |
| 70) Phenanthrene | 17.42 | 178 | 414492 | 49.79 | ng | | 97 |
| 71) Anthracene | 17.52 | 178 | 410442 | 49.72 | ng | | 97 |
| 72) Carbazole | 17.79 | 167 | 378141 | 48.36 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.32 | 149 | 523332 | 51.20 | ng | | 98 |
| 74) Fluoranthene | 19.43 | 202 | 449528 | 46.98 | ng | | 94 |
| 77) Pyrene | 19.79 | 202 | 449045 | 54.41 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.66 | 149 | 235883 | 61.63 | ng | # | 91 |
| 80) Benzo(a)anthracene | 21.62 | 228 | 377286 | 50.68 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.54 | 252 | 60485 | 28.94 | ng | # | 96 |
| 82) Chrysene | 21.69 | 228 | 360945 | 49.83 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.49 | 149 | 335760 | 59.66 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 22.69 | 149 | 558117 | 59.72 | ng | # | 86 |
| 85) Indeno(1,2,3-cd)pyrene | 28.52 | 276 | 375150 | 46.16 | ng | # | 78 |
| 87) Benzo(b)fluoranthene | 23.82 | 252 | 349354 | 50.54 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 23.89 | 252 | 347505 | 51.07 | ng | # | 92 |
| 89) Benzo(a)pyrene | 24.69 | 252 | 338076 | 51.15 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 28.55 | 278 | 304099 | 48.85 | ng | # | 87 |
| 91) Benzo(g,h,i)perylene | 29.64 | 276 | 311406 | 48.08 | ng | # | 87 |

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

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