Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025392.D
Acq On : 22 Dec 2016 17:01
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040EC

Quant Time: Dec 23 00:17:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 18:42:01 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.21 | 152 | 69003 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.04 | 136 | 292269 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.84 | 164 | 225507 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.59 | 188 | 531235 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.88 | 240 | 717434 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.29 | 264 | 757078 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.75 | 112 | 323570 | 85.23 | ng | | 0.00 |
| 7) Phenol-d6 | 7.37 | 99 | 470615 | 88.02 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.40 | 82 | 545429 | 82.44 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.33 | 330 | 304235 | 83.80 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.46 | 172 | 1180592 | 84.76 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.17 | 244 | 2178262 | 80.50 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 66562 | 41.09 | ng | | 95 |
| 3) Pyridine | 4.01 | 79 | 208087 | 44.32 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.93 | 42 | 119289 | 42.80 | ng | | 93 |
| 6) Aniline | 7.53 | 93 | 312897 | 43.19 | ng | | 95 |
| 8) 2-Chlorophenol | 7.77 | 128 | 178882 | 41.77 | ng | | 96 |
| 9) Benzaldehyde | 7.35 | 77 | 154830 | 39.58 | ng | | 99 |
| 10) Phenol | 7.40 | 94 | 252453 | 42.60 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.62 | 93 | 189886 | 41.58 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.10 | 146 | 217548 | 41.98 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.25 | 146 | 223101 | 41.54 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.57 | 146 | 211824 | 41.33 | ng | | 92 |
| 15) Benzyl Alcohol | 8.46 | 79 | 221124 | 43.32 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.73 | 45 | 355137 | 41.99 | ng | | 97 |
| 17) 2-Methylphenol | 8.66 | 107 | 169710 | 43.60 | ng | | 98 |
| 18) Hexachloroethane | 9.30 | 117 | 90052 | 43.66 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 9.02 | 70 | 192756 | 42.68 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.99 | 107 | 233516 | 43.35 | ng | | 95 |
| 22) Acetophenone | 9.05 | 105 | 335549 | 41.32 | ng | # | 95 |
| 24) Nitrobenzene | 9.44 | 77 | 294164 | 40.54 | ng | | 98 |
| 25) Isophorone | 9.95 | 82 | 498907 | 41.65 | ng | | 98 |
| 26) 2-Nitrophenol | 10.15 | 139 | 115122 | 41.48 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 10.20 | 122 | 193427 | 42.39 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.43 | 93 | 247818 | 39.84 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.69 | 162 | 208662 | 42.73 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.90 | 180 | 240438 | 40.76 | ng | | 93 |
| 31) Naphthalene | 11.09 | 128 | 596668 | 40.88 | ng | | 100 |
| 32) Benzoic acid | 10.36 | 122 | 165036 | 44.98 | ng | | 95 |
| 33) 4-Chloroaniline | 11.20 | 127 | 262073 | 42.69 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.35 | 225 | 197001 | 40.91 | ng | | 100 |
| 35) Caprolactam | 12.00 | 113 | 73627 | 40.13 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.32 | 107 | 246838 | 40.96 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.68 | 142 | 450198 | 41.62 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.04 | 216 | 328464 | 44.12 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 13.00 | 237 | 109472 | 44.48 | ng | | 91 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.28 | 196 | 198026 | 42.24 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.37 | 196 | 216531 | 44.13 | ng | | 93 |
| 45) 1,1'-Biphenyl | 13.67 | 154 | 649059 | 42.79 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.73 | 162 | 499379 | 42.14 | ng | | 98 |
| 47) 2-Nitroaniline | 13.94 | 65 | 223506 | 44.68 | ng | | 96 |
| 48) Acenaphthylene | 14.57 | 152 | 776100 | 42.26 | ng | | 97 |
| 49) Dimethylphthalate | 14.28 | 163 | 688219 | 41.86 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.42 | 165 | 151298 | 42.13 | ng | | 89 |
| 51) Acenaphthene | 14.90 | 154 | 515291 | 42.90 | ng | | 99 |
| 52) 3-Nitroaniline | 14.77 | 138 | 151641 | 43.92 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 14.98 | 184 | 72054 | 33.73 | ng | | 97 |
| 54) Dibenzofuran | 15.24 | 168 | 800772 | 42.17 | ng | | 96 |
| 55) 4-Nitrophenol | 15.09 | 139 | 114578 | 44.43 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 15.22 | 165 | 228005 | 43.60 | ng | # | 95 |
| 57) Fluorene | 15.88 | 166 | 667613 | 41.99 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.46 | 232 | 216021 | 41.10 | ng | | 95 |
| 59) Diethylphthalate | 15.63 | 149 | 702520 | 40.75 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.86 | 204 | 378369 | 41.99 | ng | | 97 |
| 61) 4-Nitroaniline | 15.93 | 138 | 152745 | 43.96 | ng | # | 82 |
| 62) Azobenzene | 16.16 | 77 | 704916 | 42.40 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.98 | 198 | 152128 | 41.35 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 16.08 | 169 | 595162 | 41.45 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.76 | 248 | 273596 | 41.75 | ng | | 98 |
| 67) Hexachlorobenzene | 16.89 | 284 | 311913 | 41.47 | ng | # | 89 |
| 68) Atrazine | 17.02 | 200 | 250922 | 39.88 | ng | | 97 |
| 69) Pentachlorophenol | 17.24 | 266 | 155703 | 39.94 | ng | | 93 |
| 70) Phenanthrene | 17.63 | 178 | 1131527 | 41.33 | ng | | 95 |
| 71) Anthracene | 17.71 | 178 | 1135397 | 40.82 | ng | | 99 |
| 72) Carbazole | 17.99 | 167 | 1038115 | 41.72 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 1244233 | 40.65 | ng | | 96 |
| 74) Fluoranthene | 19.62 | 202 | 1519013 | 42.01 | ng | | 94 |
| 76) Benzidine | 19.80 | 184 | 644825 | 36.03 | ng | | 99 |
| 77) Pyrene | 19.99 | 202 | 1546449 | 41.24 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.83 | 149 | 632942 | 42.04 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.86 | 228 | 1682784 | 42.05 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.76 | 252 | 652222 | 41.96 | ng | | 99 |
| 82) Chrysene | 21.93 | 228 | 1592322 | 41.49 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 893437 | 42.64 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.96 | 149 | 1483282 | 42.64 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 29.23 | 276 | 2077833 | 42.59 | ng | # | 73 |
| 87) Benzo(b)fluoranthene | 24.20 | 252 | 1743796 | 42.22 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.27 | 252 | 1652665 | 41.43 | ng | # | 96 |
| 89) Benzo(a)pyrene | 25.13 | 252 | 1668112 | 41.81 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 29.28 | 278 | 1780799 | 42.12 | ng | # | 98 |
| 91) Benzo(g,h,i)perylene | 30.46 | 276 | 1732198 | 41.22 | ng | | 97 |

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

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