Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090415\
Data File : BF081436.D
Acq On : 4 Sep 2015 23:58
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

**Manual Integrations APPROVED**
MMDadoda
9/8/2015 1:57:18 PM

Quant Time: Sep 07 01:54:45 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.36 | 152 | 71506 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.66 | 136 | 292467 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.39 | 164 | 141248 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 10.86 | 188 | 269901 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.46 | 240 | 206534 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 14.77 | 264 | 149024 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.90 | 112 | 389343 | 84.48 | ng | | -0.02 |
| 7) Phenol-d6 | 6.03 | 99 | 494851 | 81.12 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 6.95 | 82 | 505247 | 83.35 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.18 | 330 | 95210 | 75.70 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 8.73 | 172 | 747427 | 67.81 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.44 | 244 | 761295 | 85.81 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.67 | 88 | 87096 | 42.08 | ng | | 95 |
| 3) Pyridine | 2.22 | 79 | 217710 | 38.14 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 2.18 | 42 | 141731 | 44.70 | ng | # | 75 |
| 6) Aniline | 6.02 | 93 | 353204 | 41.00 | ng | # | 79 |
| 8) 2-Chlorophenol | 6.15 | 128 | 213831 | 42.10 | ng | | 88 |
| 9) Benzaldehyde | 5.90 | 77 | 157487 | 41.20 | ng | # | 75 |
| 10) Phenol | 6.04 | 94 | 286600 | 40.51 | ng | # | 53 |
| 11) bis(2-Chloroethyl)ether | 6.11 | 93 | 204737 | 40.11 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 6.30 | 146 | 223632 | 41.21 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 6.38 | 146 | 222102 | 40.20 | ng | # | 88 |
| 14) 1,2-Dichlorobenzene | 6.54 | 146 | 193758 | 38.95 | ng | | 97 |
| 15) Benzyl Alcohol | 6.52 | 79 | 203376 | 40.64 | ng | # | 69 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.67 | 45 | 431210 | 44.07 | ng | | 84 |
| 17) 2-Methylphenol | 6.66 | 107 | 174432 | 43.04 | ng | # | 75 |
| 18) Hexachloroethane | 6.87 | 117 | 85816 | 39.92 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 6.81 | 70 | 184910 | 44.54 | ng | # | 85 |
| 20) 3+4-Methylphenols | 6.82 | 107 | 227657 | 41.67 | ng | | 90 |
| 22) Acetophenone | 6.80 | 105 | 308225 | 38.58 | ng | # | 84 |
| 24) Nitrobenzene | 6.96 | 77 | 226736 | 36.02 | ng | # | 61 |
| 25) Isophorone | 7.21 | 82 | 456269 | 40.47 | ng | # | 85 |
| 26) 2-Nitrophenol | 7.28 | 139 | 113064 | 41.21 | ng | # | 42 |
| 27) 2,4-Dimethylphenol | 7.35 | 122 | 195691 | 41.29 | ng | # | 82 |
| 28) bis(2-Chloroethoxy)methane | 7.44 | 93 | 256332 | 39.36 | ng | # | 93 |
| 29) 2,4-Dichlorophenol | 7.53 | 162 | 169876 | 41.34 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.60 | 180 | 175510 | 39.31 | ng | | 97 |
| 31) Naphthalene | 7.68 | 128 | 599949 | 38.46 | ng | | 99 |
| 32) Benzoic acid | 7.51 | 122 | 113801 | 34.40 | ng | # | 54 |
| 33) 4-Chloroaniline | 7.74 | 127 | 228758 | 35.96 | ng | # | 78 |
| 34) Hexachlorobutadiene | 7.80 | 225 | 106603 | 39.24 | ng | | 99 |
| 35) Caprolactam | 8.14 | 113 | 58026 | 46.04 | ng | # | 61 |
| 36) 4-Chloro-3-methylphenol | 8.25 | 107 | 196649 | 42.75 | ng | | 86 |
| 37) 2-Methylnaphthalene | 8.36 | 142 | 408224 | 40.22 | ng | # | 89 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.54 | 216 | 159120 | 35.62 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.51 | 237 | 71448 | 32.59 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.65 | 196 | 114359 | 37.10 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.70 | 196 | 121712 | 38.70 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 8.83 | 154 | 503410 | 38.74 | ng | | 95 |
| 46) 2-Chloronaphthalene | 8.84 | 162 | 329900 | 35.15 | ng | # | 88 |
| 47) 2-Nitroaniline | 8.96 | 65 | 174184 | 45.54 | ng | # | 65 |
| 48) Acenaphthylene | 9.26 | 152 | 637171 | 38.27 | ng | | 97 |
| 49) Dimethylphthalate | 9.15 | 163 | 439979 | 40.09 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 9.21 | 165 | 92465 | 37.12 | ng | # | 94 |
| 51) Acenaphthene | 9.43 | 154 | 366690 | 38.72 | ng | | 89 |
| 52) 3-Nitroaniline | 9.37 | 138 | 110886 | 39.11 | ng | # | 47 |
| 53) 2,4-Dinitrophenol | 9.47 | 184 | 40743 | 38.84 | ng | # | 1 |
| 54) Dibenzofuran | 9.60 | 168 | 534371 | 38.64 | ng | # | 90 |
| 55) 4-Nitrophenol | 9.56 | 139 | 69877m | 39.23 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.60 | 165 | 115725 | 36.49 | ng | # | 7 |
| 57) Fluorene | 9.93 | 166 | 366906 | 34.96 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.72 | 232 | 95943 | 39.96 | ng | # | 87 |
| 59) Diethylphthalate | 9.84 | 149 | 417092 | 36.13 | ng | | 94 |
| 60) 4-Chlorophenyl-phenylether | 9.94 | 204 | 196963 | 40.27 | ng | | 99 |
| 61) 4-Nitroaniline | 9.98 | 138 | 101745 | 35.52 | ng | # | 25 |
| 62) Azobenzene | 10.09 | 77 | 472657 | 36.83 | ng | # | 79 |
| 64) 4,6-Dinitro-2-methylphenol | 10.01 | 198 | 67236 | 44.54 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 10.07 | 169 | 373470 | 38.03 | ng | | 89 |
| 66) 4-Bromophenyl-phenylether | 10.42 | 248 | 109891 | 40.27 | ng | | 99 |
| 67) Hexachlorobenzene | 10.48 | 284 | 112655 | 39.48 | ng | # | 78 |
| 68) Atrazine | 10.60 | 200 | 120117 | 42.26 | ng | | 82 |
| 69) Pentachlorophenol | 10.67 | 266 | 57539 | 45.64 | ng | | 98 |
| 70) Phenanthrene | 10.88 | 178 | 541387 | 36.08 | ng | | 96 |
| 71) Anthracene | 10.94 | 178 | 608992 | 39.50 | ng | | 98 |
| 72) Carbazole | 11.10 | 167 | 556788 | 38.49 | ng | | 95 |
| 73) Di-n-butylphthalate | 11.45 | 149 | 734727 | 43.01 | ng | # | 98 |
| 74) Fluoranthene | 12.06 | 202 | 658045 | 40.51 | ng | | 86 |
| 76) Benzidine | 12.19 | 184 | 291650 | 32.89 | ng | | 98 |
| 77) Pyrene | 12.27 | 202 | 615228 | 40.21 | ng | | 98 |
| 79) Butylbenzylphthalate | 12.92 | 149 | 312754 | 47.01 | ng | # | 85 |
| 80) Benzo(a)anthracene | 13.45 | 228 | 507727 | 38.60 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 13.44 | 252 | 169487 | 38.20 | ng | # | 92 |
| 82) Chrysene | 13.50 | 228 | 472235 | 40.05 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 13.50 | 149 | 373177 | 42.50 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.10 | 149 | 585541 | 40.50 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 15.84 | 276 | 371788 | 42.98 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 14.45 | 252 | 449173m | 42.22 | ng | | |
| 88) Benzo(k)fluoranthene | 14.47 | 252 | 337851m | 38.27 | ng | | |
| 89) Benzo(a)pyrene | 14.72 | 252 | 340662 | 37.79 | ng | # | 90 |
| 90) Dibenzo(a,h)anthracene | 15.86 | 278 | 308503 | 44.28 | ng | # | 77 |
| 91) Benzo(g,h,i)perylene | 16.16 | 276 | 292183 | 43.94 | ng | # | 79 |

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

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