Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073015\
Data File : BF080721.D
Acq On : 31 Jul 2015 6:04
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

**Manual Integrations APPROVED**
MMDadoda
7/31/2015 11:23:12 AM

Quant Time: Jul 31 06:59:52 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 31 01:45:22 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 198401 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 747286 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 364344 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 632424 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.00 | 240 | 379122 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.41 | 264 | 339466 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 889235 | 76.89 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1230420 | 78.15 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1228684 | 79.62 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 320666 | 84.82 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1792347 | 73.39 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 1673854 | 83.50 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.50 | 88 | 213454 | 37.43 | ng | | 99 |
| 3) Pyridine | 3.22 | 79 | 576531 | 36.43 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.17 | 42 | 357378 | 39.51 | ng | | 99 |
| 6) Aniline | 6.52 | 93 | 858715 | 37.89 | ng | | 99 |
| 8) 2-Chlorophenol | 6.64 | 128 | 479726 | 37.01 | ng | | 100 |
| 9) Benzaldehyde | 6.40 | 77 | 346348 | 34.62 | ng | | 87 |
| 10) Phenol | 6.50 | 94 | 751971 | 41.27 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 475319 | 36.52 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 558759 | 38.72 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 590930 | 40.14 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 480704 | 35.72 | ng | | 98 |
| 15) Benzyl Alcohol | 7.00 | 79 | 446483 | 34.14 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 1050661 | 37.78 | ng | | 98 |
| 17) 2-Methylphenol | 7.10 | 107 | 419173 | 39.39 | ng | | 99 |
| 18) Hexachloroethane | 7.37 | 117 | 209971 | 38.21 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 395443 | 37.30 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 501774 | 38.22 | ng | | 97 |
| 22) Acetophenone | 7.26 | 105 | 679527 | 37.67 | ng | | 97 |
| 24) Nitrobenzene | 7.44 | 77 | 541233 | 35.01 | ng | | 100 |
| 25) Isophorone | 7.69 | 82 | 1069601 | 38.98 | ng | # | 92 |
| 26) 2-Nitrophenol | 7.76 | 139 | 273873m | 43.64 | ng | | |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 450659m | 38.23 | ng | | |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 648568 | 39.89 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 423754 | 40.44 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 434999 | 38.07 | ng | | 98 |
| 31) Naphthalene | 8.17 | 128 | 1400820 | 37.55 | ng | | 98 |
| 32) Benzoic acid | 7.92 | 122 | 348776m | 42.23 | ng | | |
| 33) 4-Chloroaniline | 8.21 | 127 | 600199 | 38.13 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 287836 | 39.01 | ng | | 98 |
| 35) Caprolactam | 8.59 | 113 | 127407 | 40.60 | ng | # | 89 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 481172 | 42.59 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 946528 | 40.42 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 395105 | 34.53 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 268416 | 38.13 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.13 | 196 | 288819m | 36.29 | ng | | |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 312238m | 39.55 | ng | | |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 1043643 | 37.36 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 850489 | 37.27 | ng | | 99 |
| 47) 2-Nitroaniline | 9.44 | 65 | 377903 | 42.57 | ng | | 91 |
| 48) Acenaphthylene | 9.76 | 152 | 1438254 | 39.64 | ng | | 100 |
| 49) Dimethylphthalate | 9.62 | 163 | 923582 | 35.97 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 198518 | 36.43 | ng | | 91 |
| 51) Acenaphthene | 9.93 | 154 | 880802 | 39.79 | ng | | 100 |
| 52) 3-Nitroaniline | 9.85 | 138 | 251707 | 40.03 | ng | # | 81 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 112013 | 38.60 | ng | | 88 |
| 54) Dibenzofuran | 10.10 | 168 | 1158139 | 39.12 | ng | | 100 |
| 55) 4-Nitrophenol | 10.00 | 139 | 182739 | 39.45 | ng | | 83 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 278158 | 38.93 | ng | | 98 |
| 57) Fluorene | 10.44 | 166 | 901482 | 39.23 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 256375 | 43.06 | ng | | 98 |
| 59) Diethylphthalate | 10.32 | 149 | 935060 | 37.78 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204 | 381087 | 38.10 | ng | | 98 |
| 61) 4-Nitroaniline | 10.45 | 138 | 198624 | 34.99 | ng | | 96 |
| 62) Azobenzene | 10.59 | 77 | 1078019 | 40.21 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 161713 | 42.46 | ng | # | 35 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 811396 | 39.14 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 281408 | 43.11 | ng | | 98 |
| 67) Hexachlorobenzene | 10.98 | 284 | 274090 | 36.31 | ng | | 98 |
| 68) Atrazine | 11.08 | 200 | 221628 | 44.84 | ng | | 90 |
| 69) Pentachlorophenol | 11.17 | 266 | 187116 | 40.97 | ng | | 97 |
| 70) Phenanthrene | 11.39 | 178 | 1179823 | 37.03 | ng | | 99 |
| 71) Anthracene | 11.45 | 178 | 1277382 | 40.80 | ng | | 100 |
| 72) Carbazole | 11.60 | 167 | 971867 | 35.77 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 1402656 | 41.63 | ng | | 100 |
| 74) Fluoranthene | 12.58 | 202 | 1267299 | 41.14 | ng | | 98 |
| 76) Benzidine | 12.70 | 184 | 571174 | 41.38 | ng | | 99 |
| 77) Pyrene | 12.81 | 202 | 1231877 | 41.90 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 470662 | 38.82 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.99 | 228 | 882808 | 38.72 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.95 | 252 | 307638 | 39.53 | ng | | 97 |
| 82) Chrysene | 14.03 | 228 | 883447 | 39.92 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 610702 | 41.72 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 1017630 | 41.46 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 806586 | 40.68 | ng | # | 87 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 808521m | 39.87 | ng | | |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 633076m | 37.94 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 660621 | 39.68 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.81 | 278 | 674809 | 45.28 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 17.22 | 276 | 678409 | 46.26 | ng | # | 93 |

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

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