Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\
Data File : BF083702.D
Acq On : 11 Dec 2015 17:10
Operator : UM/IZ
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDICC050

**Manual Integrations APPROVED**
MMdadoda
12/14/2015 6:22:22 PM

Quant Time: Dec 11 18:20:22 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 11 17:53:49 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.92 | 152 | 128908 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.21 | 136 | 524222 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.96 | 164 | 230021 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.45 | 188 | 443627 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.08 | 240 | 303800 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.51 | 264 | 249041 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 888014 | 104.48 | ng | | 0.00 |
| 7) Phenol-d6 | 6.56 | 99 | 1068411 | 94.08 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.49 | 82 | 894982 | 79.66 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.75 | 330 | 254934 | 124.40 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.29 | 172 | 1413417 | 86.48 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.03 | 244 | 1312365 | 101.64 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.56 | 88 | 207142 | 49.33 | ng | # | 87 |
| 3) Pyridine | 3.30 | 79 | 557756 | 54.68 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.24 | 42 | 226197 | 42.12 | ng | # | 75 |
| 6) Aniline | 6.59 | 93 | 725304 | 51.83 | ng | # | 82 |
| 8) 2-Chlorophenol | 6.70 | 128 | 459143 | 49.40 | ng | | 99 |
| 9) Benzaldehyde | 6.46 | 77 | 261913 | 43.41 | ng | | 97 |
| 10) Phenol | 6.57 | 94 | 640276 | 46.55 | ng | # | 71 |
| 11) bis(2-Chloroethyl)ether | 6.66 | 93 | 418649 | 41.37 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.86 | 146 | 491592m | 47.46 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.94 | 146 | 520245 | 48.95 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.10 | 146 | 466646 | 47.31 | ng | | 94 |
| 15) Benzyl Alcohol | 7.06 | 79 | 370278 | 45.83 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45 | 584473 | 31.23 | ng | | 67 |
| 17) 2-Methylphenol | 7.17 | 107 | 362976 | 48.00 | ng | # | 86 |
| 18) Hexachloroethane | 7.45 | 117 | 179959 | 47.95 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.34 | 70 | 314169 | 39.63 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.33 | 107 | 468490 | 47.05 | ng | # | 60 |
| 22) Acetophenone | 7.33 | 105 | 562670 | 38.26 | ng | # | 92 |
| 24) Nitrobenzene | 7.50 | 77 | 422653 | 34.04 | ng | | 94 |
| 25) Isophorone | 7.76 | 82 | 856660 | 39.29 | ng | # | 88 |
| 26) 2-Nitrophenol | 7.82 | 139 | 202430 | 41.06 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.86 | 122 | 403763 | 46.81 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.96 | 93 | 521847 | 43.10 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 8.06 | 162 | 371272 | 47.33 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.16 | 180 | 403863 | 46.61 | ng | | 98 |
| 31) Naphthalene | 8.24 | 128 | 1307381 | 47.09 | ng | | 98 |
| 32) Benzoic acid | 7.97 | 122 | 255810 | 52.66 | ng | | 94 |
| 33) 4-Chloroaniline | 8.28 | 127 | 532781 | 52.62 | ng | # | 83 |
| 34) Hexachlorobutadiene | 8.36 | 225 | 222195 | 43.89 | ng | | 97 |
| 35) Caprolactam | 8.65 | 113 | 127548 | 54.18 | ng | # | 62 |
| 36) 4-Chloro-3-methylphenol | 8.75 | 107 | 383088 | 43.47 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.92 | 142 | 755090 | 43.30 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.09 | 216 | 378485 | 50.12 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 9.08 | 237 | 177880 | 173.80 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.20 | 196 | 255655 | 56.90 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.23 | 196 | 232343 | 52.23 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.39 | 154 | 1054668 | 52.75 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.41 | 162 | 795000 | 52.67 | ng | | 96 |
| 47) 2-Nitroaniline | 9.49 | 65 | 194653 | 35.76 | ng | | 93 |
| 48) Acenaphthylene | 9.82 | 152 | 1169964 | 47.01 | ng | | 99 |
| 49) Dimethylphthalate | 9.69 | 163 | 853401 | 46.61 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.74 | 165 | 201584 | 53.32 | ng | # | 74 |
| 51) Acenaphthene | 10.00 | 154 | 695962 | 48.84 | ng | | 99 |
| 52) 3-Nitroaniline | 9.90 | 138 | 193454 | 48.15 | ng | | 87 |
| 53) 2,4-Dinitrophenol | 10.01 | 184 | 55404 | 34.38 | ng | # | 1 |
| 54) Dibenzofuran | 10.17 | 168 | 941820 | 47.66 | ng | | 91 |
| 55) 4-Nitrophenol | 10.05 | 139 | 160850 | 90.93 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.14 | 165 | 266173 | 53.09 | ng | # | 67 |
| 57) Fluorene | 10.51 | 166 | 733200 | 42.51 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.28 | 232 | 188171 | 57.13 | ng | # | 100 |
| 59) Diethylphthalate | 10.38 | 149 | 825927 | 46.39 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.51 | 204 | 367798 | 44.80 | ng | # | 85 |
| 61) 4-Nitroaniline | 10.52 | 138 | 215568 | 59.06 | ng | | 97 |
| 62) Azobenzene | 10.66 | 77 | 734069 | 37.47 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198 | 94396 | 35.44 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 10.62 | 169 | 720810 | 49.23 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.99 | 248 | 221570 | 44.78 | ng | # | 84 |
| 67) Hexachlorobenzene | 11.06 | 284 | 245419 | 46.75 | ng | | 98 |
| 68) Atrazine | 11.14 | 200 | 213774 | 49.07 | ng | | 96 |
| 69) Pentachlorophenol | 11.24 | 266 | 154299 | 134.24 | ng | | 99 |
| 70) Phenanthrene | 11.47 | 178 | 1212263 | 47.56 | ng | | 98 |
| 71) Anthracene | 11.52 | 178 | 1155327 | 43.76 | ng | | 98 |
| 72) Carbazole | 11.66 | 167 | 1050020 | 46.37 | ng | # | 95 |
| 73) Di-n-butylphthalate | 12.01 | 149 | 1206673 | 42.37 | ng | | 99 |
| 74) Fluoranthene | 12.65 | 202 | 1226631 | 47.04 | ng | | 94 |
| 76) Benzidine | 12.77 | 184 | 616124 | 65.20 | ng | | 99 |
| 77) Pyrene | 12.88 | 202 | 1216303 | 55.61 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.51 | 149 | 436445 | 44.96 | ng | # | 80 |
| 80) Benzo(a)anthracene | 14.07 | 228 | 903277 | 50.80 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.02 | 252 | 288831 | 48.08 | ng | # | 97 |
| 82) Chrysene | 14.10 | 228 | 858938 | 48.19 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.07 | 149 | 450717 | 33.45 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.67 | 149 | 670256 | 32.55 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 921182 | 76.56 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 15.09 | 252 | 703649m | 49.62 | ng | | |
| 88) Benzo(k)fluoranthene | 15.13 | 252 | 760314m | 48.66 | ng | | |
| 89) Benzo(a)pyrene | 15.45 | 252 | 730337 | 52.78 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.97 | 278 | 765224 | 72.32 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.38 | 276 | 791474 | 76.72 | ng | | 97 |

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

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